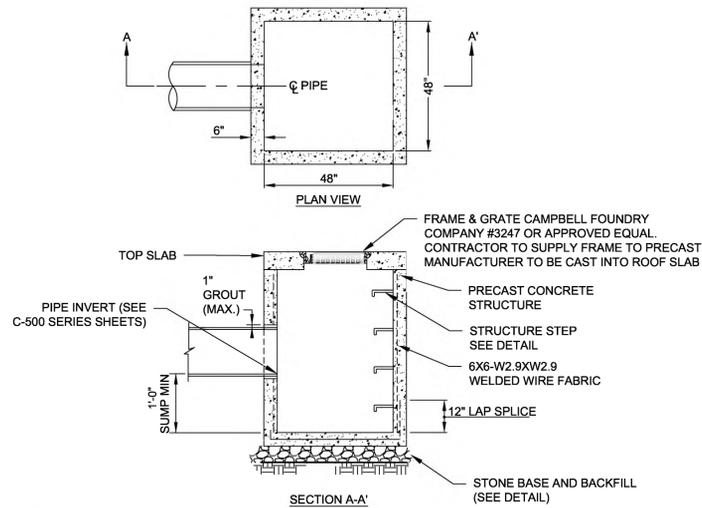


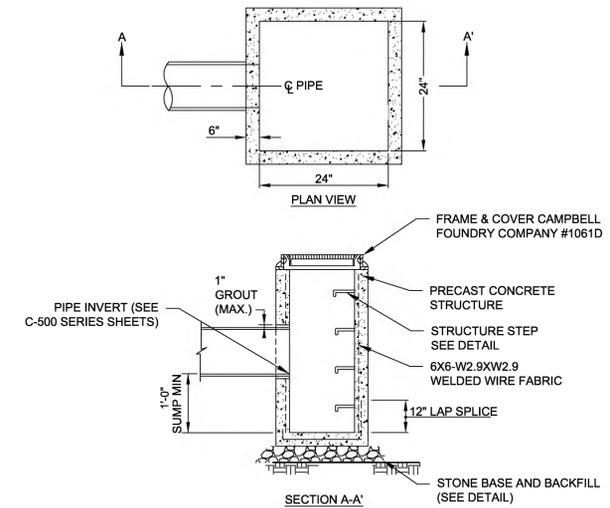
- NOTES:**
- STRUCTURES SHALL BE DESIGN TO ACCOMMODATE MULTIPLE INCOMING/OUTGOING PIPES OF VARIOUS SIZES. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER APPROVAL.
 - PRECAST COMPANY TO DESIGN THE STRUCTURES FOR HS-20 LOADING (I.E. REINFORCING, TOP SLAB, ETC.), CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER'S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

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



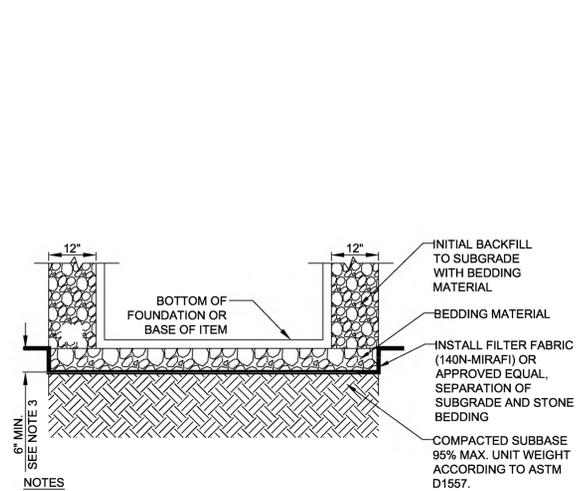
- NOTES:**
- STRUCTURES SHALL BE DESIGN TO ACCOMMODATE MULTIPLE INCOMING/OUTGOING PIPES OF VARIOUS SIZES. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER APPROVAL.
 - PRECAST COMPANY TO DESIGN THE STRUCTURES FOR HS-20 LOADING (I.E. REINFORCING, TOP SLAB, ETC.), CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER'S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

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



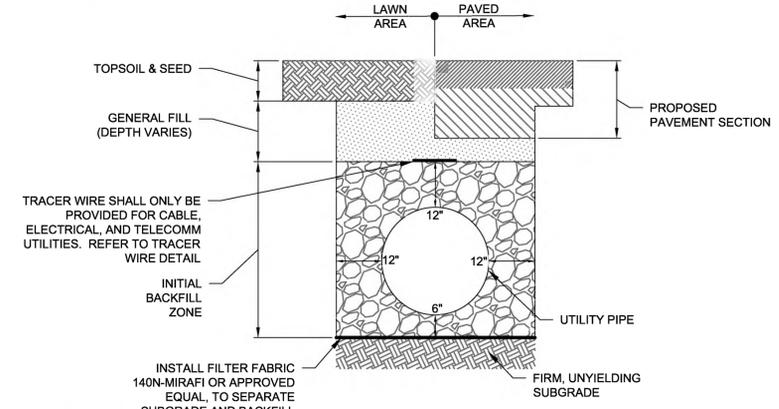
- NOTES:**
- STRUCTURES SHALL BE DESIGN TO ACCOMMODATE MULTIPLE INCOMING/OUTGOING PIPES OF VARIOUS SIZES. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO ENGINEER APPROVAL.
 - PRECAST COMPANY TO DESIGN THE STRUCTURES FOR HS-20 LOADING (I.E. REINFORCING, TOP SLAB, ETC.), CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEER'S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

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



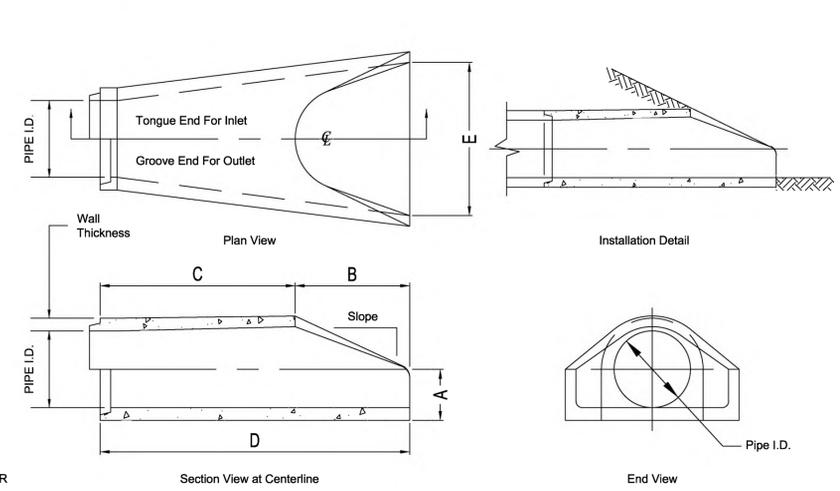
- NOTES:**
- THE CONTRACTOR SHALL APPLY THE STONE BEDDING UNDER THE FOUNDATION OR BASE FOR STRUCTURES AND EXTEND 12" BEYOND THE OUTSIDE EDGE, UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL SUBMIT MATERIAL DATA TO THE ENGINEER PRIOR TO INSTALLATION.
 - THICKNESS OF BASE LAYER SHALL BE 6" MIN.
 - BEDDING MATERIAL SHALL BE 3/4" CRUSHED STONE.

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



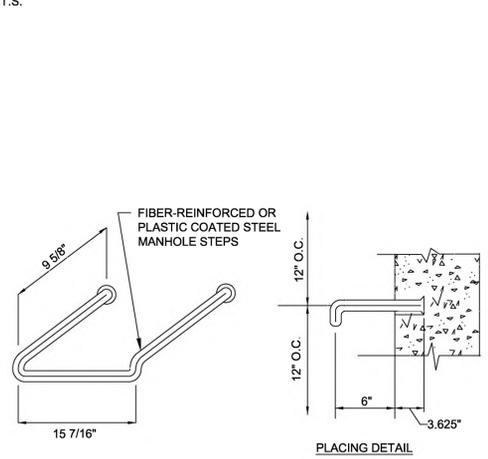
- NOTES:**
- INITIAL BACKFILL ZONE SHALL BE 3/4" CRUSHED STONE.
 - GENERAL FILL: SHALL HAVE NO MORE THAN 20% BY WEIGHT OF STONES OR MASONRY DEBRIS, CONTAINING NO STONES OR OTHER MATERIALS GREATER THAN 4 INCHES IN ANY DIMENSION.
 - FOR UTILITY TRENCHES UNDER ROADWAYS AND WITHIN AN INFLUENCE ZONE EXTENDING DOWNWARD AND AWAY FROM THE EDGE OF THE ROADWAY PAVEMENT AT A 45 DEGREE ANGLE, COMPACT EACH LAYER OF BACKFILL SOIL MATERIAL AT 95 PERCENT MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D1557. IN LANDSCAPED AND UNPAVED AREAS, COMPACT EACH LAYER OF BACKFILL SOIL MATERIAL TO 90 PERCENT MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D1557.
 - FOR ALL STORM SEWERS PENETRATING THROUGH BERMS LOCATED WITHIN BIORETENTION AREAS OR DETENTION PONDS, THE BEDDING MATERIAL LAYER SHALL BE REPLACED WITH GENERAL FILL.

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

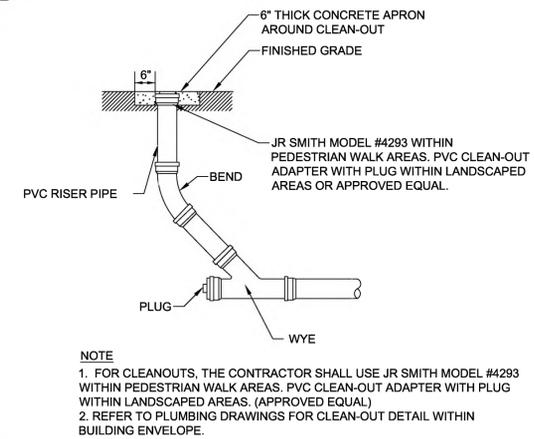


FLARED END SECTION DIMENSION SCHEDULE (INCH)							
PIPE DIAMETER (INCH)	WALL THICKNESS	A	B	C	D	E	SLOPE
12	2.0	4.00	24.0	48.9	72.9	30.0	3:1

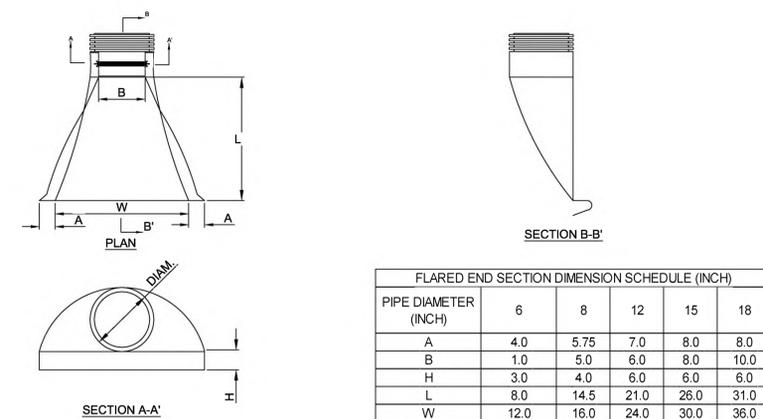
6 CONCRETE FLARED END SECTION DETAIL
N.T.S.



7 STRUCTURE STEP DETAIL
N.T.S.



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



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
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MONTICELLO, NY 12701

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AKRF
AKRF ENGINEERING, P.C.
34 SOUTH BROADWAY, SUITE 401
WHITE PLAINS, NY 10601
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SURVEYOR
CONTRACTORS' LINE & GRADE
SOUTH, LLC
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(914) 347-3141

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



SONNY KONG, P.E.

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT
MONSTER GOLF
MAINTENANCE BUILDING
FINAL DESIGN

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

SHEET TITLE
DETAILS

SHEET NO.
C-906
SHEET 15 OF 18