Detail 25 — TYPICAL SEWER LATERAL CLEANOUT DETAIL

THREADED PLUG
CLEANOUT ADAPTER
METAL CLEANOUT COVER AND FRAME (NEENAH 1976 OR APPROVED EQUAL)
12"
3"
EXPANSION JOINT MATERIAL
CONCRETE SUPPORT PAD
MINIMUM 4" PVC
FLOW
WYE
8"

METAL FRAME AND COVER TYPE CLEANOUT

METAL ADJUSTABLE HEAD TYPE
CONCRETE SUPPORT PAD
MINIMUM 4" PVC
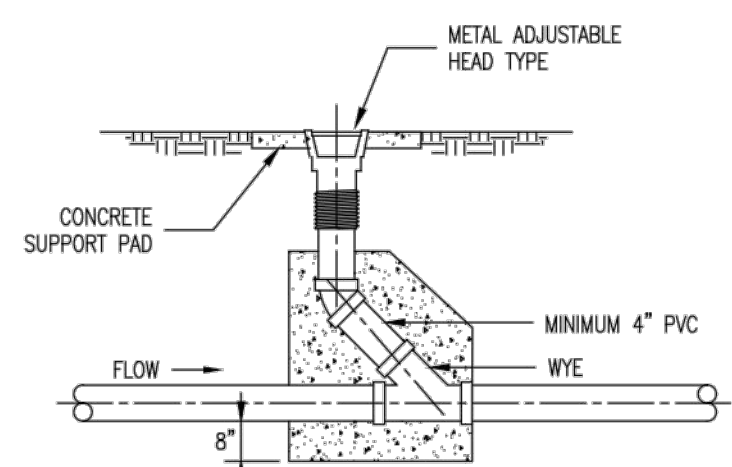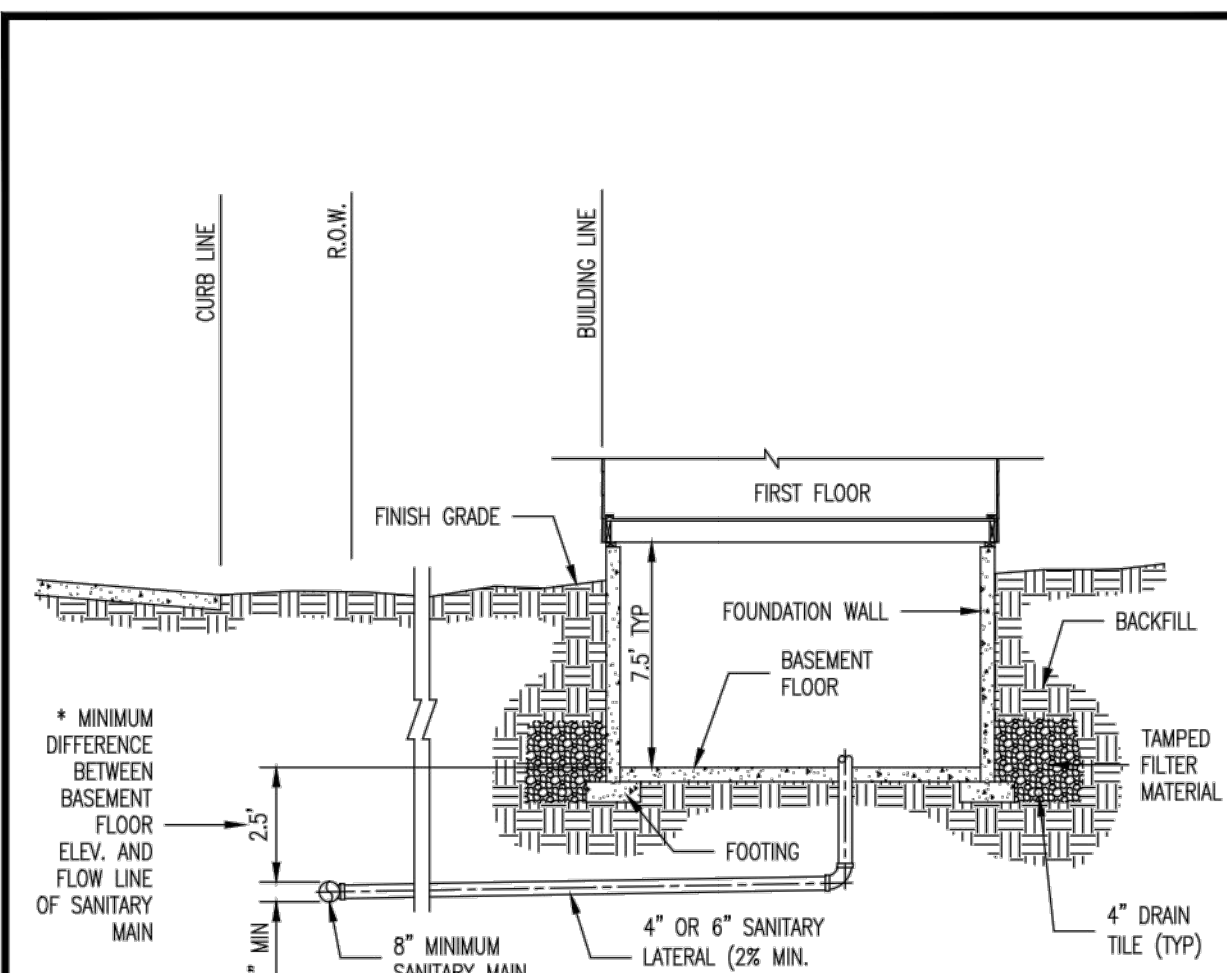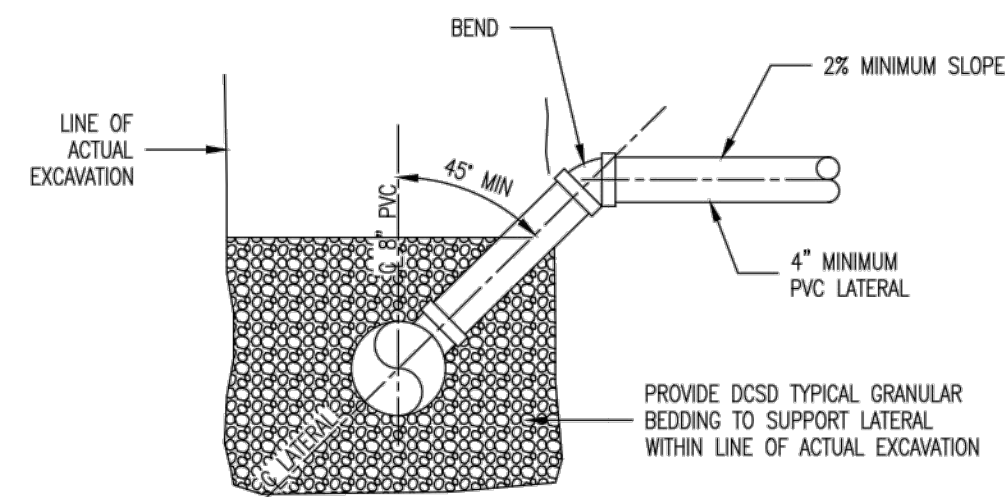FLOW
WYE
8"

ADJUSTABLE HEAD TYPE CLEANOUT

Duckett Creek Sanitary District
TYPICAL SEWER LATERAL CLEANOUT DETAIL
Dwn By: BSM App By: KLA Ckd By: MDOB Date: DEC. 2015
Detail No. 25

Detail 26 — TYPICAL SANITARY SEWER LATERAL PROFILE

CURB LINE
R.O.W.
BUILDING LINE
FINISH GRADE
FIRST FLOOR
FOUNDATION WALL
BASEMENT FLOOR
BACKFILL
TAMPED FILTER MATERIAL
FOOTING
4" DRAIN TILE (TYP)
8" MINIMUM SANITARY MAIN
4" OR 6" SANITARY LATERAL (2% MIN. SLOPE)
* MINIMUM DIFFERENCE BETWEEN BASEMENT FLOOR ELEV. AND FLOW LINE OF SANITARY MAIN
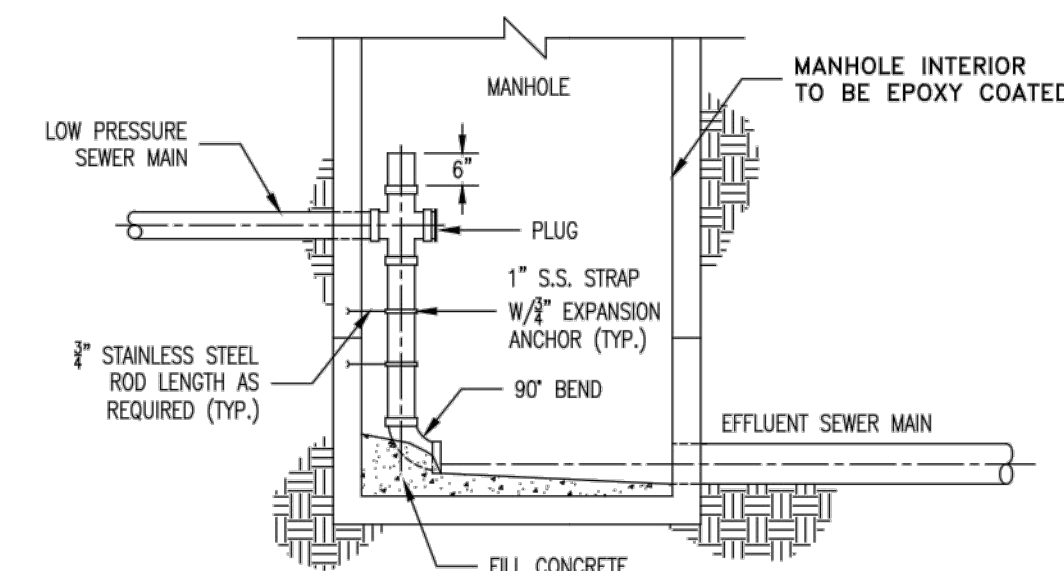7.5' TYP
2.5'
8" MIN

*NOTE: DIFFERENCE IN DEPTH INCREASES WITH PIPE SIZE

Duckett Creek Sanitary District
TYPICAL SANITARY SEWER LATERAL PROFILE
Dwn By: BSM App By: KLA Ckd By: MDOB Date: DEC. 2015
Detail No. 26
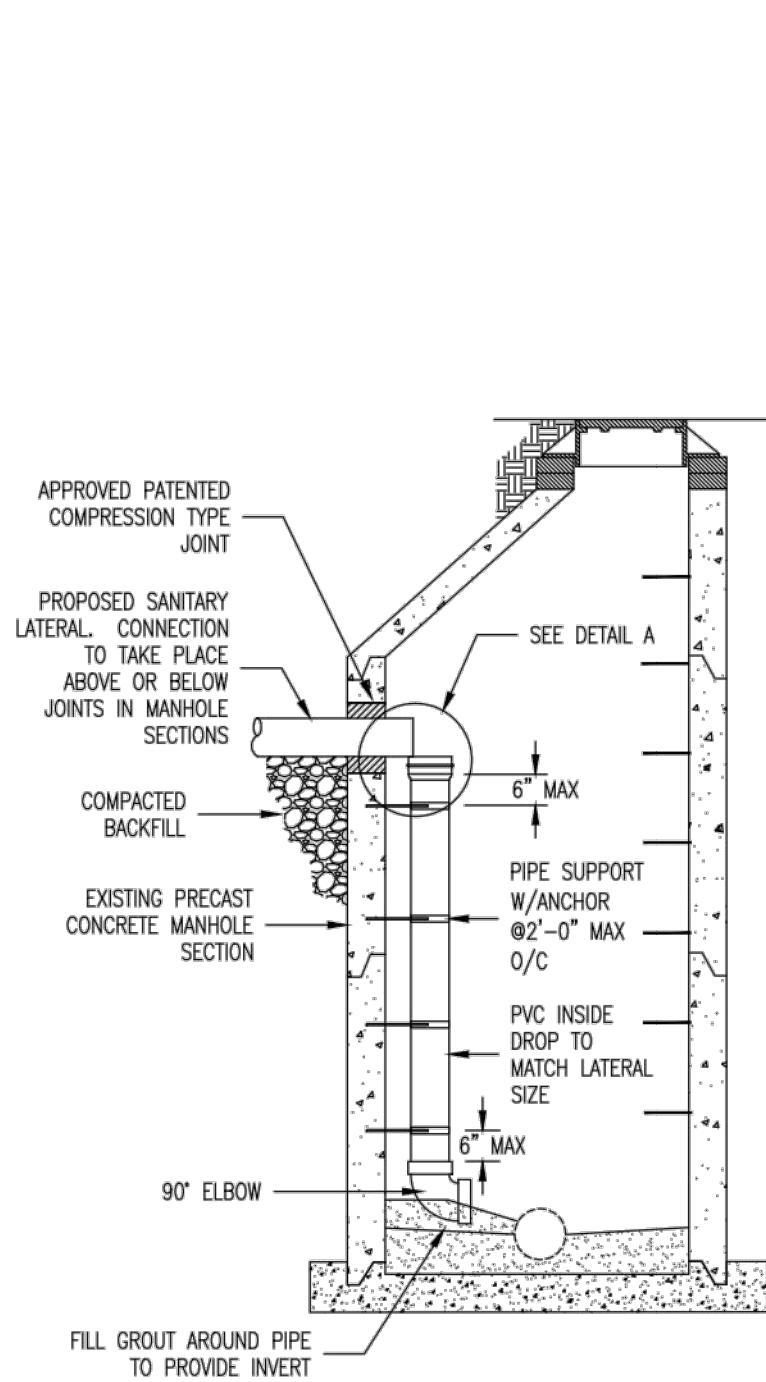
Detail 27 — SANITARY SEWER LATERAL RISER DETAIL

LINE OF ACTUAL EXCAVATION
BEND
2% MINIMUM SLOPE
45° MIN
4" MINIMUM PVC LATERAL
PROVIDE DCSD TYPICAL GRANULAR BEDDING TO SUPPORT LATERAL WITHIN LINE OF ACTUAL EXCAVATION

Duckett Creek Sanitary District
SANITARY SEWER LATERAL RISER DETAIL
Dwn By: BSM App By: KA Ckd By: MDOB Date: DEC. 2015
Detail No. 27

Detail 28 — LOW PRESSURE SEWER MAIN CONNECTION AT MANHOLE

LOW PRESSURE SEWER MAIN
MANHOLE
MANHOLE INTERIOR TO BE EPOXY COATED
6"
PLUG
1" S.S. STRAP W/ 3/4" EXPANSION ANCHOR (TYP.)
3/4" STAINLESS STEEL ROD LENGTH AS REQUIRED (TYP.)
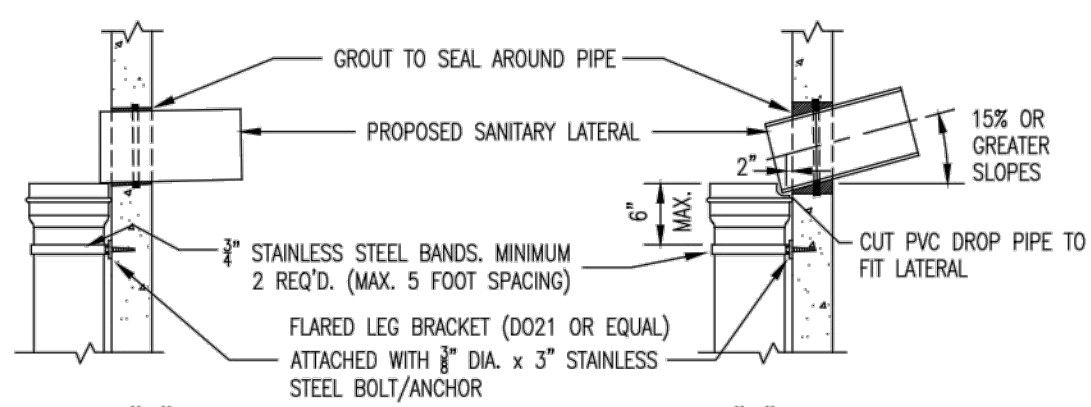90° BEND
EFFLUENT SEWER MAIN
FILL CONCRETE

NOTE:
INVERT-BOTTOM SHALL BE WORKED TO PROVIDE POSITIVE DRAINAGE THROUGH MANHOLE

Duckett Creek Sanitary District
LOW PRESSURE SEWER MAIN CONNECTION AT MANHOLE
Dwn By: BSM App By: KA Ckd By: MDOB Date: DEC. 2015
Detail No. 28
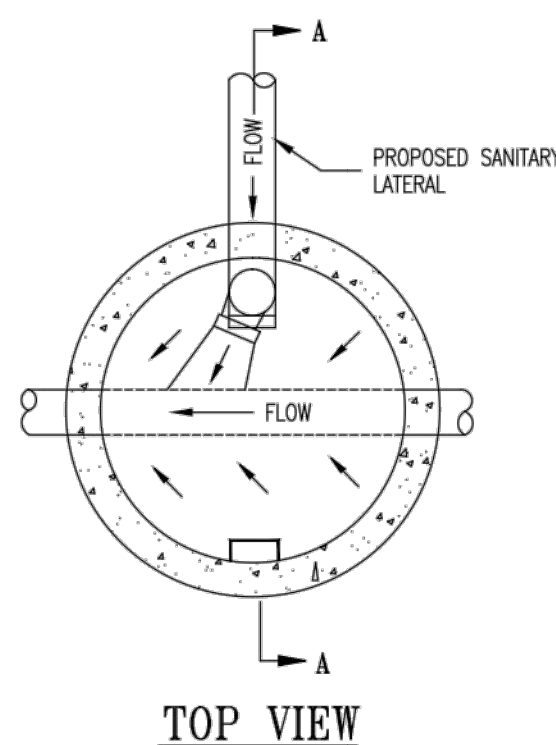
Detail 28A — INSIDE DROP GRAVITY LATERAL CONNECTION DETAIL

GROUT TO SEAL AROUND PIPE
PROPOSED SANITARY LATERAL
15% OR GREATER SLOPES
2"
6" MAX.
3/4" STAINLESS STEEL BANDS, MINIMUM 2 REQ'D. (MAX. 5 FOOT SPACING)
FLARED LEG BRACKET (DO21 OR EQUAL) ATTACHED WITH 3/4" DIA. x 3" STAINLESS STEEL BOLT/ANCHOR
CUT PVC DROP PIPE TO FIT LATERAL

DETAIL "A" STANDARD DROP PIPE

DETAIL "A" MODIFIED MODIFIED DROP PIPE (FOR STEEP INFLUENT GRADES)

APPROVED PATENTED COMPRESSION TYPE JOINT
PROPOSED SANITARY LATERAL, CONNECTION TO TAKE PLACE ABOVE OR BELOW JOINTS IN MANHOLE SECTIONS
SEE DETAIL A
COMPACTED BACKFILL
6" MAX
PIPE SUPPORT W/ANCHOR @2'-0" MAX O/C
EXISTING PRECAST CONCRETE MANHOLE SECTION
PVC INSIDE DROP TO MATCH LATERAL SIZE
6" MAX
90° ELBOW
FILL GROUT AROUND PIPE TO PROVIDE INVERT

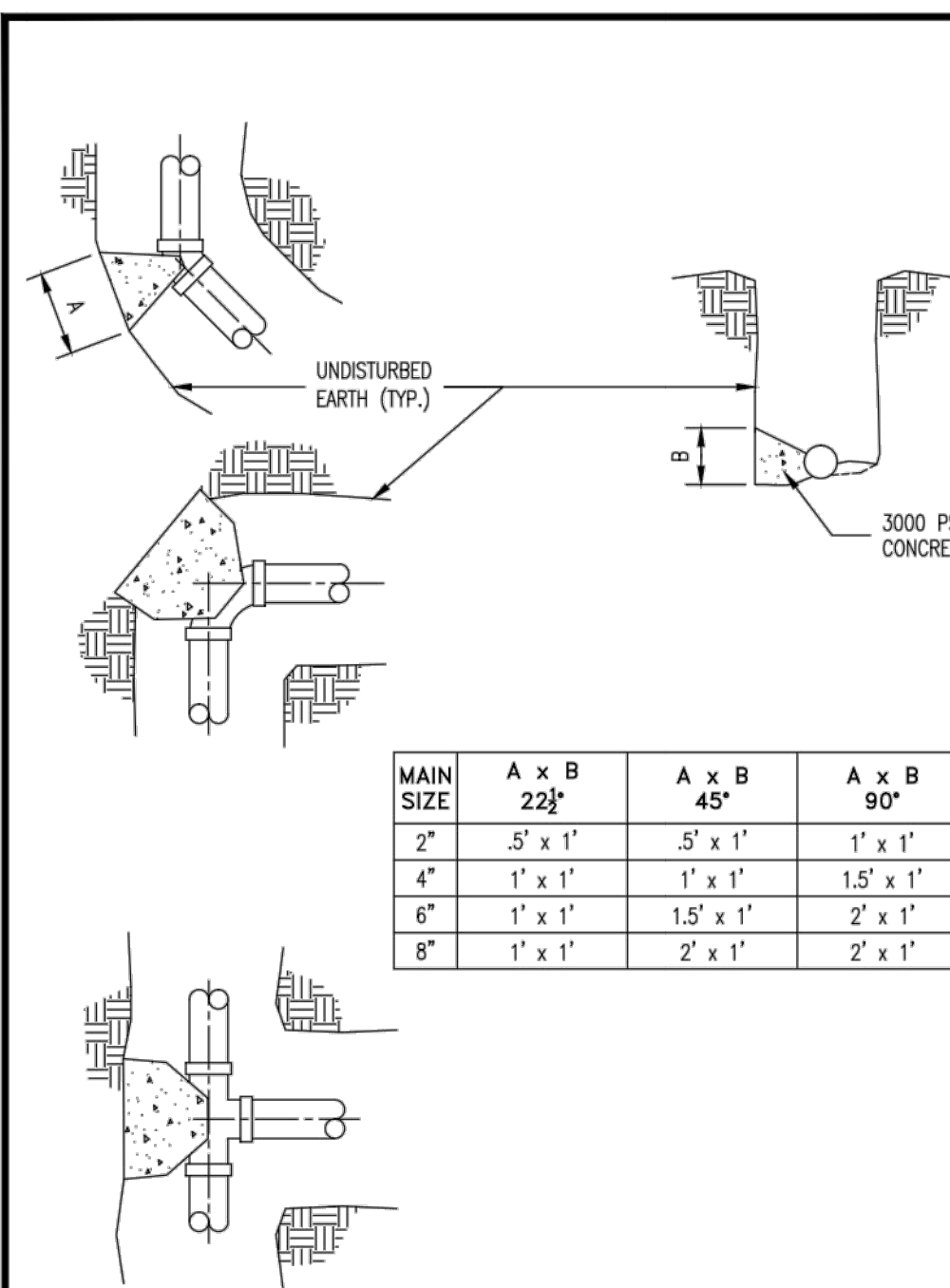**SECTION A-A**

FLOW
PROPOSED SANITARY LATERAL
A
A

TOP VIEW

NOTES:
1. IF EXCAVATED SPACE OUTSIDE OF MANHOLE WALL EXCEEDS 1 FOOT, PROVIDE 6 INCHES OF CLASS "A" CONCRETE ENCASEMENT ON INCOMING LINE FROM WALL OF MANHOLE TO A MINIMUM OF 2 FEET INTO UNDISTURBED EARTH WITH A MINIMUM OF 4-#4 REBARS FOR LENGTH OF ENCASEMENT OR INSTALL ON LENGTH OF D.I.P. FROM MANHOLE INTO UNDISTURBED EARTH.
2. STAINLESS STEEL STRAPS SHALL BE 3/4"X2" STAINLESS STEEL.
3. STAINLESS STEEL STRAP CONNECTORS SHALL BE FLARED LEG BRACKET (DO21 OR EQUAL) ATTACHED WITH 3/4"X3" STAINLESS STEEL BOLT/ANCHOR OR APPROVED EQUAL.
4. ALL SEWER CONNECTIONS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR DUCKETT CREEK SANITARY DISTRICT.
5. LONG INSIDE DROPS WILL REQUIRE STAINLESS STEEL BANDS TO BE 2'-0" MAX BETWEEN BANDS.

Duckett Creek Sanitary District
INSIDE DROP GRAVITY LATERAL CONNECTION DETAIL
Dwn By: MSM App By: KA Date: JUNE 2015
Detail No. 28A

Detail 29 — THRUST BLOCK DETAIL AND SIZE SCHEDULE

UNDISTURBED EARTH (TYP.)
3000 PSI CONCRETE

MAIN SIZE	A x B 22½°	A x B 45°	A x B 90°	A x B TEE
2"	.5' x 1'	.5' x 1'	1' x 1'	1' x 1'
4"	1' x 1'	1' x 1'	1.5' x 1'	1' x 1'
6"	1' x 1'	1.5' x 1'	2' x 1'	1.5' x 1'
8"	1' x 1'	2' x 1'	2' x 1'	2' x 1'

Duckett Creek Sanitary District
THRUST BLOCK DETAIL AND SIZE SCHEDULE
Dwn By: BSM App By: KA Ckd By: MDOB Date: DEC. 2015
Detail No. 29

CITY OF O'FALLON REVISED PHASE A 09/28/2016

Page No. 60 of 63
DETAILS

City of O'Fallon Standard Subdivision Notes and Details – June 2010