NOTES:
1. FLOW SHALL BE MAINTAINED DURING CONSTRUCTION.
2. THIS DETAIL TO BE USED WHEN A 6" OR LARGER LATERAL NECESSITATES CONSTRUCTION OF A NEW MANHOLE.
3. FOR ADDITIONAL STANDARDS NOT SHOWN, SEE "STANDARD MANHOLE" DETAIL S3-02.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT OF EXISTING SEWER DURING INSTALLATION OF MANHOLE.
5. DOGHOUSE OPENING MAY ONLY BE USED WHEN PLACING A NEW MANHOLE OVER AN EXISTING LINE; OTHERWISE, THE OPENING MUST BE CAST. SIZE, LOCATION, AND ANGLE OF ENTRY SHALL BE AS REQUIRED BY THE PLANS.
6. DUG TRENCH TO MIN. 18" BELOW BOTTOM OF EXISTING PIPE, COMPACT SUBGRADE, PLACED AND COMPACT 4" OF GRANULAR BEDDING, MONOLITHIC FLOOR OF MIN. 3" DEPTH, 6 S/BACH TOPPING MIX TO BE PLACED INSIDE UNDER- AND OUTSIDE MANHOLE BASES, FROM SURFACE OF BEDDING, AROUND CONCRETE BLOCK RISERS, TO A POINT APPROXIMATELY AT THE SPRING LINE OF THE EXIST. PIPE.
7. DURING THE SAME POUR, THE FINISH MANHOLE SHELF SHALL BE FORMED AND FINISHED AROUND THE BASES AND EXISTING PIPE AS ShOWN.
8. AFTER CONCRETE SHELF HAS CURED, THE EXISTING PIPE SHALL BE SAW-CUT ON BOTH SIDES TO THE FINISHED SHELF, LOADED, AND REMOVED. THE EXISTING CONCRETE SHELF IS THEN REMOVED THROUGH THE MOUTH OF THE MANHOLE AS SHOWN. FILE CUT PIPE TO GIVE SMOOTH EDGES.

CITY OF COLLEGE STATION
GRAVITY SEWER DOGHOUSE MANHOLE

STANDARD MANHOLE TIE-IN
GENERAL NOTES:

ALL AREAS WHERE EXISTING VEGETATION AND GRASS COVER HAVE BEEN BARED BY CONSTRUCTION SHALL BE ADEQUATELY BULKED AND COVERED WITH HYDROMULCHES AND SEEDED UNTIL GROWTH IS ESTABLISHED. IN DEVELOPED AREAS WHERE GRASS IS PRESENT, BLOCK 500 WILL BE REQUIRED, BARED AREAS SHALL BE SEEDED ON SEEDED WITHIN 14 CALENDAR DAYS OF LAST DISTURBANCE.

ALL EROSION CONTROL MEASURES SHOULD BE CLEANED OF SLT AFTER EVERY RAIN.

ESTABLISHMENT OF VEGETATION MAY BE A WARRANTY ITEM.

NOTICE:

UNDERGROUND BORING CONTRACTOR "THE CITY OF BRYAN"

WARNING

1. FINGER AS SHOWN ON PLANS AND OR AT EACH MANHOLE NO. 6003.  SEE CITY STANDARD SPECIFICATION FOR WATER AND SEWER LINE CONSTRUCTION.
2. SIGNS TO BE CONSTRUCTED FROM 2.0 GA. STEEL BORING BOREY DUTCH DURING INSTALLATION AND SHOWN ON THE PLANS. FURNISH SAME NUMBER OF REPLACEMENT SIGNS FOR EACH MANHOLE WITH BASIC SIGNAL HAS BEEN PAINTED. (NOT A SEPARATE PAY ITEM)

MANHOLE NO. N

WHITE BACKGROUND

BLACK BACKGROUND

NOT LESS THAN 3"

2" CUSHION REQUIRED FOR ROCK, CONCRETE

Cement stabilized sand as shown

FOR EARTH, SEE BEDDING AND TRENCH DETAIL

6" CLEAN OUT STACK GIP OR PVC

METER BOX OR STANDARD CLEAN-OUT BOOT

2" CUSHION REQUIRED FOR ROCK, CONCRETE

NOT LESS THAN 3"

45° BEND

SEWER WARNING AND MANHOLE IDENTIFICATION SIGN

S5-01

S5-02

S5-03

S5-04

S5-05

TYPICAL URBAN CITY STREET CROSSING

TYPICAL RURAL STREET CROSSING

CASING DETAIL

STANDARD CLEAN OUT FOR MAINLINE
CITY OF BRYAN
SEWER SERVICE LINE CROSSING

PROFILE

CITY OF BRYAN
SANITARY SEWER SERVICE CONNECTION

NOTE:
1. ALL MATERIAL SHALL BE ASTM D3034 SDR21 W/GASKETS
2. ALL SERVICE CONNECTIONS & EXTENSIONS ARE TO BE INSTALLED WITH THE MAIN LINE CONSTRUCTION.
3. A CLEAN OUT IS REQUIRED AND WILL BE INSTALLED BY THE CONTRACTOR AT THE ROW FOR EACH SERVICE. CLEANOUT SHALL INCLUDE A BRASS PLUG.
4. CLEANOUTS SHALL BE EXTENDED 4 FEET ABOVE NATURAL GROUND. CLEANOUT CAP FITTING SHALL BE PLACED ON TOP.
5. LOT CORNERS SHALL BE MARKED WITH A LATH UNDER THE SUPERVISION OF A RPL2 UPON COMPLETION OF CONSTRUCTION.

PLAN

STANDARD CONNECTION PROFILE

DEEP CONNECTION PROFILE

NOTE:
1. ALL MATERIAL SHALL BE ASTM D3034 SDR21 W/GASKETS
2. ALL SERVICE CONNECTIONS & EXTENSIONS ARE TO BE INSTALLED WITH THE MAIN LINE CONSTRUCTION.
3. A CLEAN OUT IS REQUIRED AND WILL BE INSTALLED BY THE CONTRACTOR AT THE ROW FOR EACH SERVICE. CLEANOUT SHALL INCLUDE A BRASS PLUG.
4. CLEANOUTS SHALL BE EXTENDED 4 FEET ABOVE NATURAL GROUND. CLEANOUT CAP FITTING SHALL BE PLACED ON TOP.
NOTE:
1. WHERE DOUBLE WYE SERVICE ELEVATION IS LESS THAN 2'-7" BELOW PROPOSED BACK OF CURB, MIN. SLAB ELEV. MUST BE SET TO ALLOW SANITARY SEWER SERVICE.
2. MARK EACH SERVICE END WITH METAL "T" POST PAINTED GREEN.
3. ALL MATERIAL SHALL BE ASTM D3343-05 CUPOLA W/GASKETS
4. ALL SERVICE CONNECTIONS & EXTENSIONS ARE TO BE INSTALLED WITH THE MAIN LINE CONSTRUCTION.
5. A CLEAN OUT IS REQUIRED AND WILL BE INSTALLED BY THE PLUMBER AT THE ROW FOR EACH SERVICE.
6. 1 LOT CONNECTORS SHALL BE MARKED WITH A LAPEL UNDER THE SUPERVISION OF A PSC UPON COMPLETION OF CONSTRUCTION.
7. WHEN SERVICE CONNECTION IS DEEP CONTRACTOR MUST PLACE A VERTICAL STACK THAT SHALL BE BROUGHT WITHIN 3'-1/2 FEET BELOW NATURAL GROUND.

PROFILE

CITY OF COLLEGE STATION
SEWER SERVICE LINE CROSSING

NOTE:
1. WHERE DOUBLE WYE SERVICE ELEVATION IS LESS THAN 2'-7" BELOW PROPOSED BACK OF CURB, MIN. SLAB ELEV. MUST BE SET TO ALLOW SANITARY SEWER SERVICE.
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PLAN

STANDARD CONNECTION PROFILE

DEEP CONNECTION PROFILE

CITY OF COLLEGE STATION
SANITARY SEWER SERVICE CONNECTION

S7-01