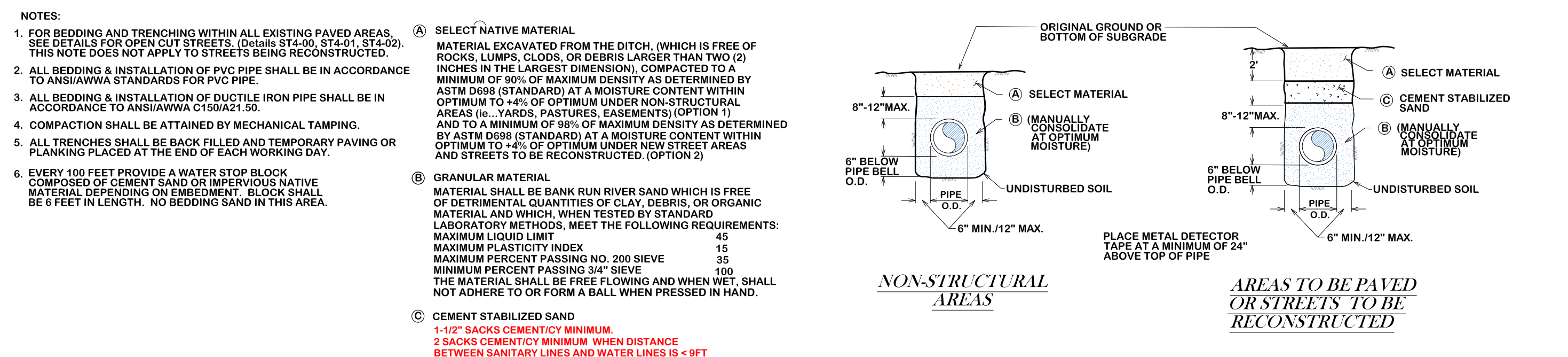


CAST IN PLACE MANHOLE

PRE-CAST MANHOLE

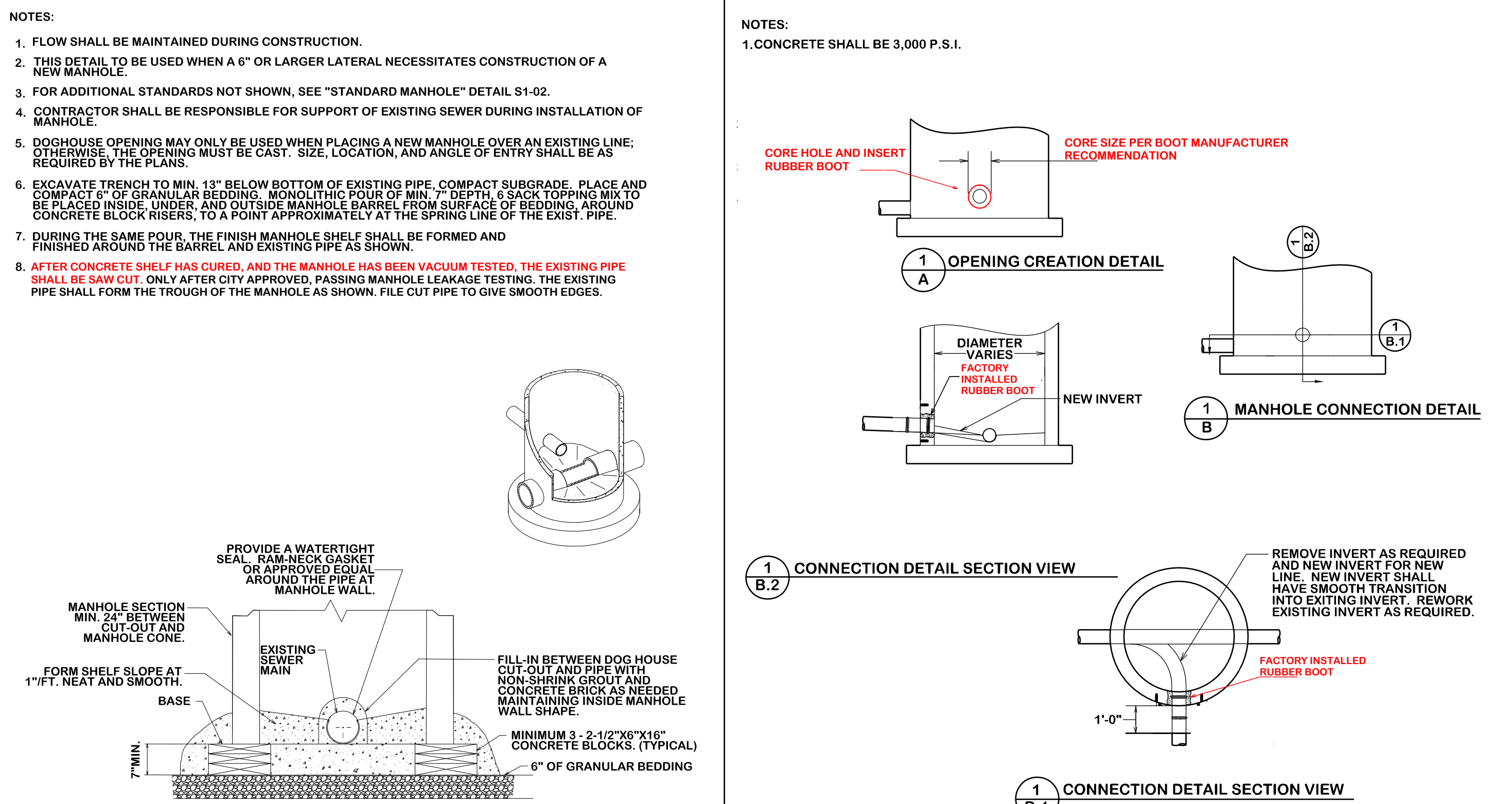
STANDARD MANHOLE

S1-00



BEDDING AND TRENCH FOR DI PIPE & PVC PIPE

S1-01

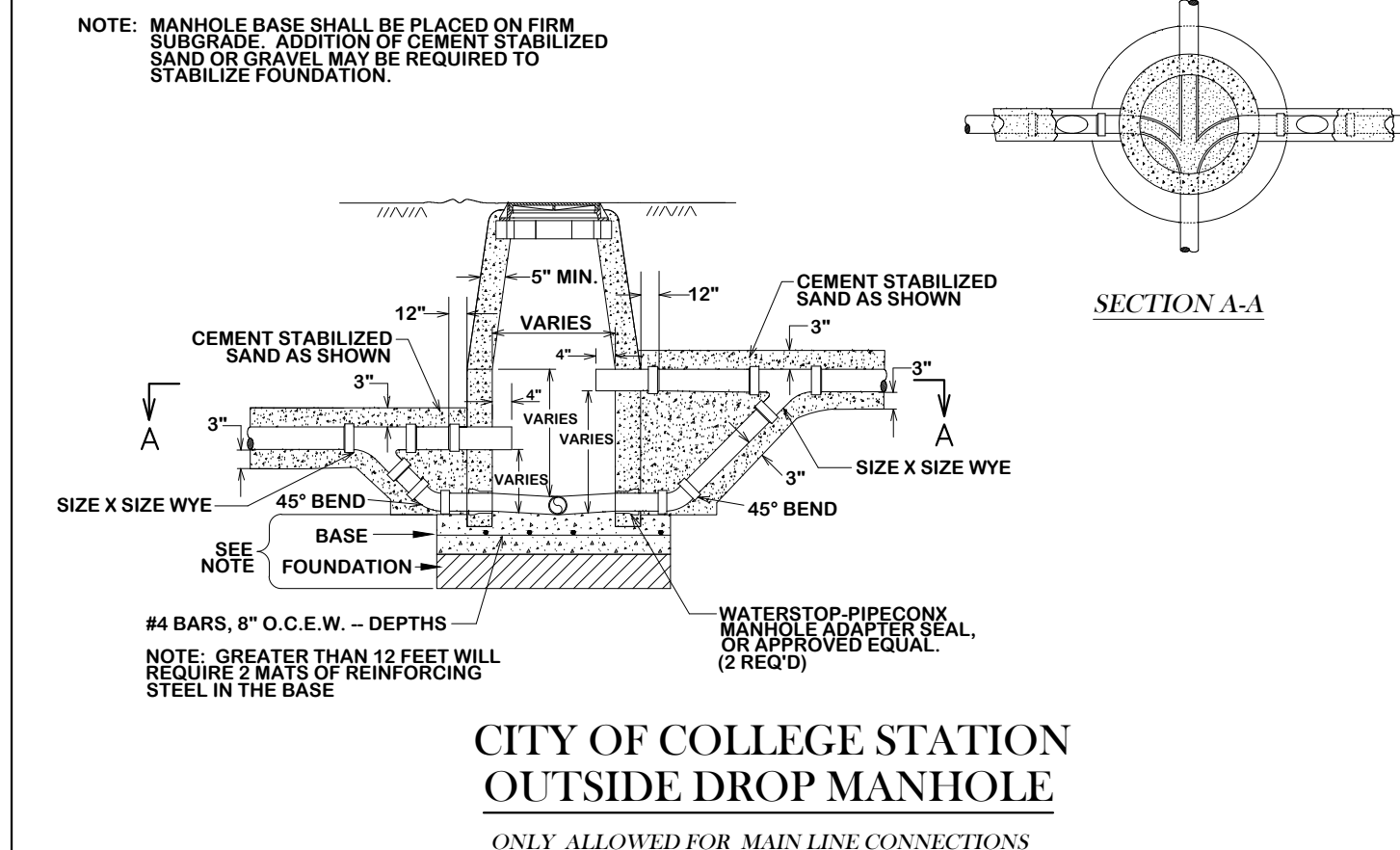


**CITY OF COLLEGE STATION
GRAVITY SEWER DOGHOUSE MANHOLE**

S3-00

STANDARD MANHOLE TIE-IN

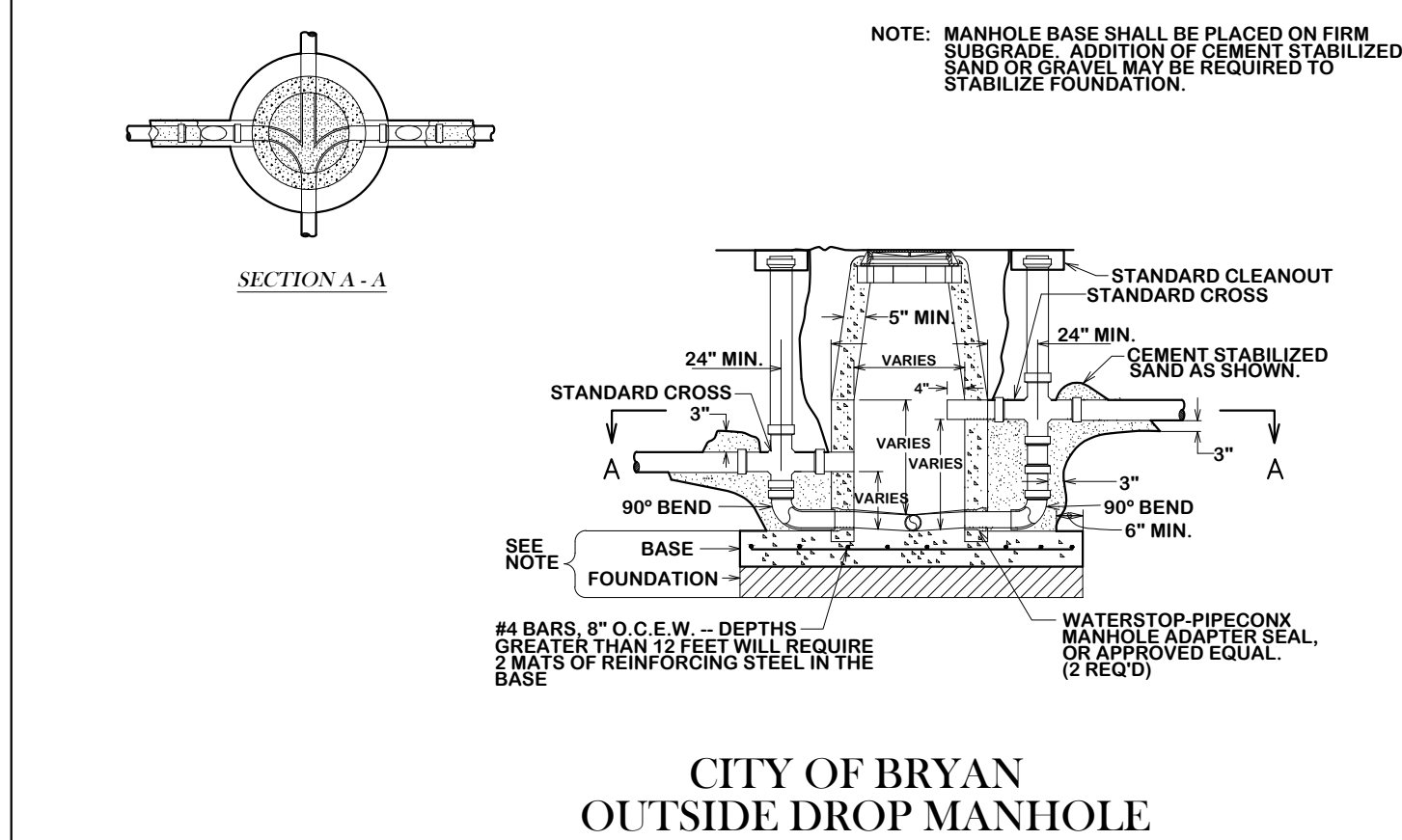
S3-01



**CITY OF COLLEGE STATION
OUTSIDE DROP MANHOLE**

ONLY ALLOWED FOR MAIN LINE CONNECTIONS 6" AND LARGER

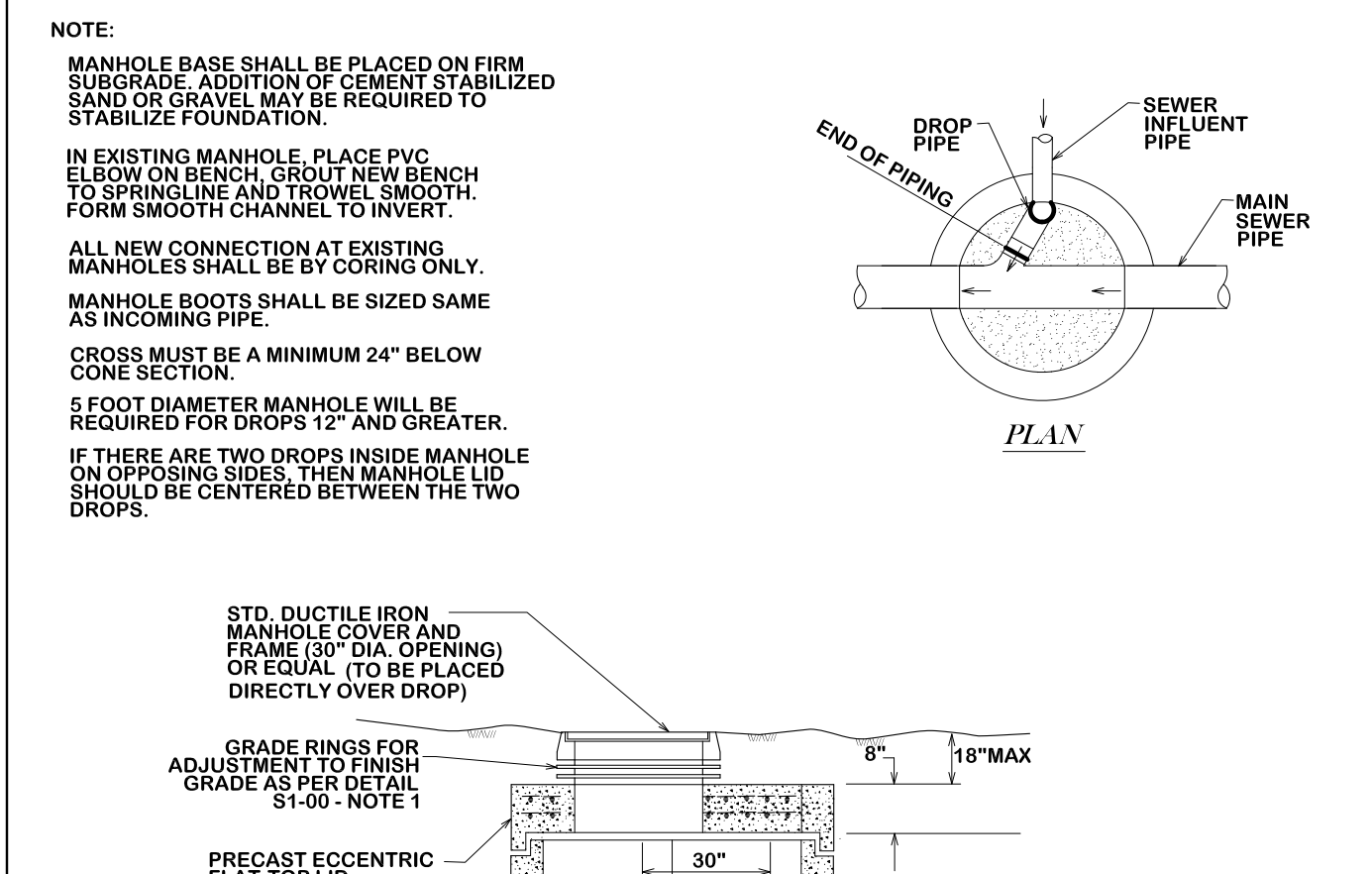
S2-00



**CITY OF BRYAN
OUTSIDE DROP MANHOLE**

ONLY WHEN APPROVED BY CITY ENGINEER

S2-01



STANDARD DROP MANHOLE

CITY OF BRYAN - DROP MANHOLE TO BE USED ON LINES UP TO 12" IN SIZE
CITY OF COLLEGE STATION - DROP MANHOLE TO BE USED ON LINES UP TO 1" IN SIZE

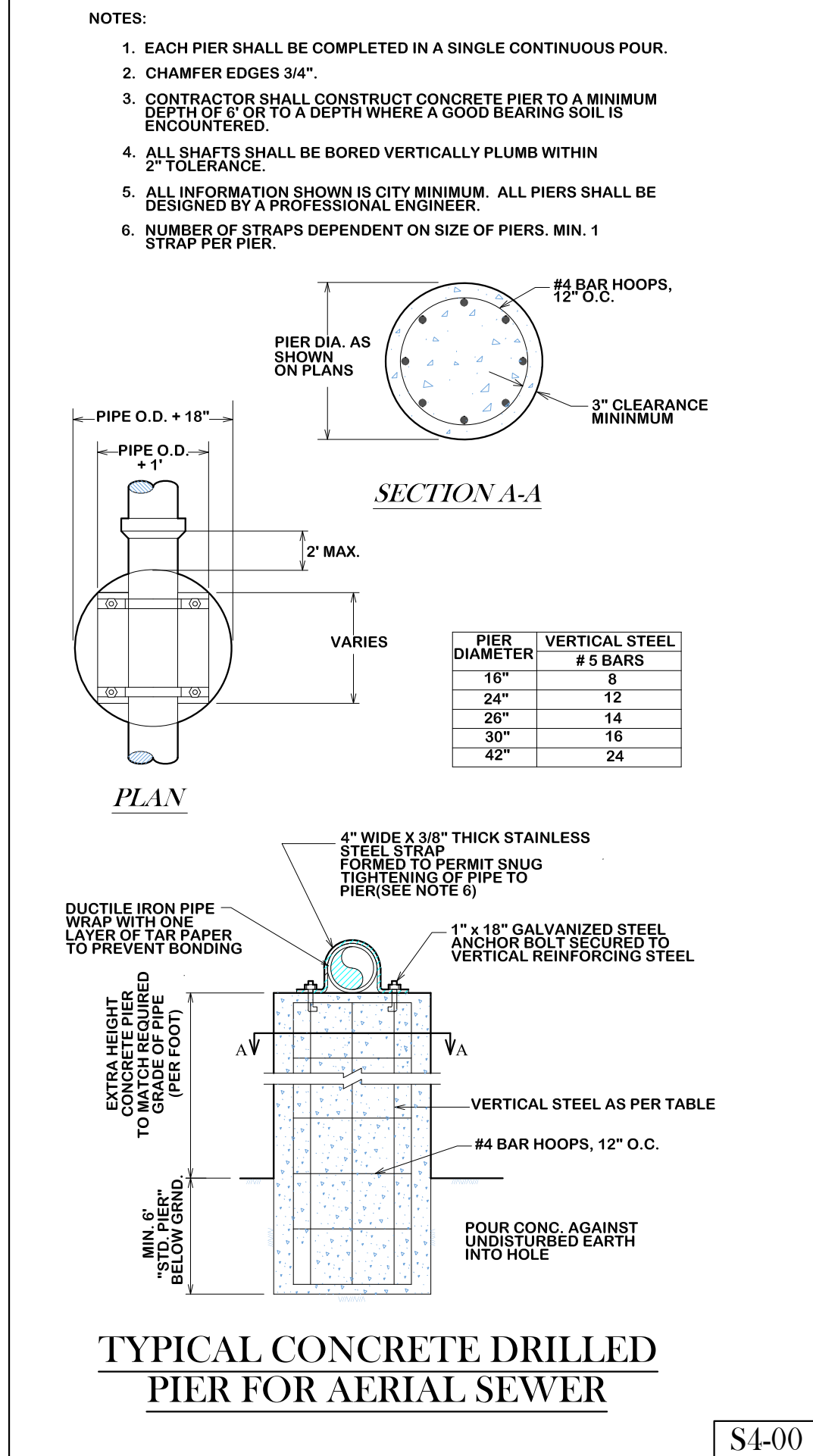
S2-02

**CITY OF COLLEGE STATION
GRAVITY SEWER DOGHOUSE MANHOLE**

S3-00

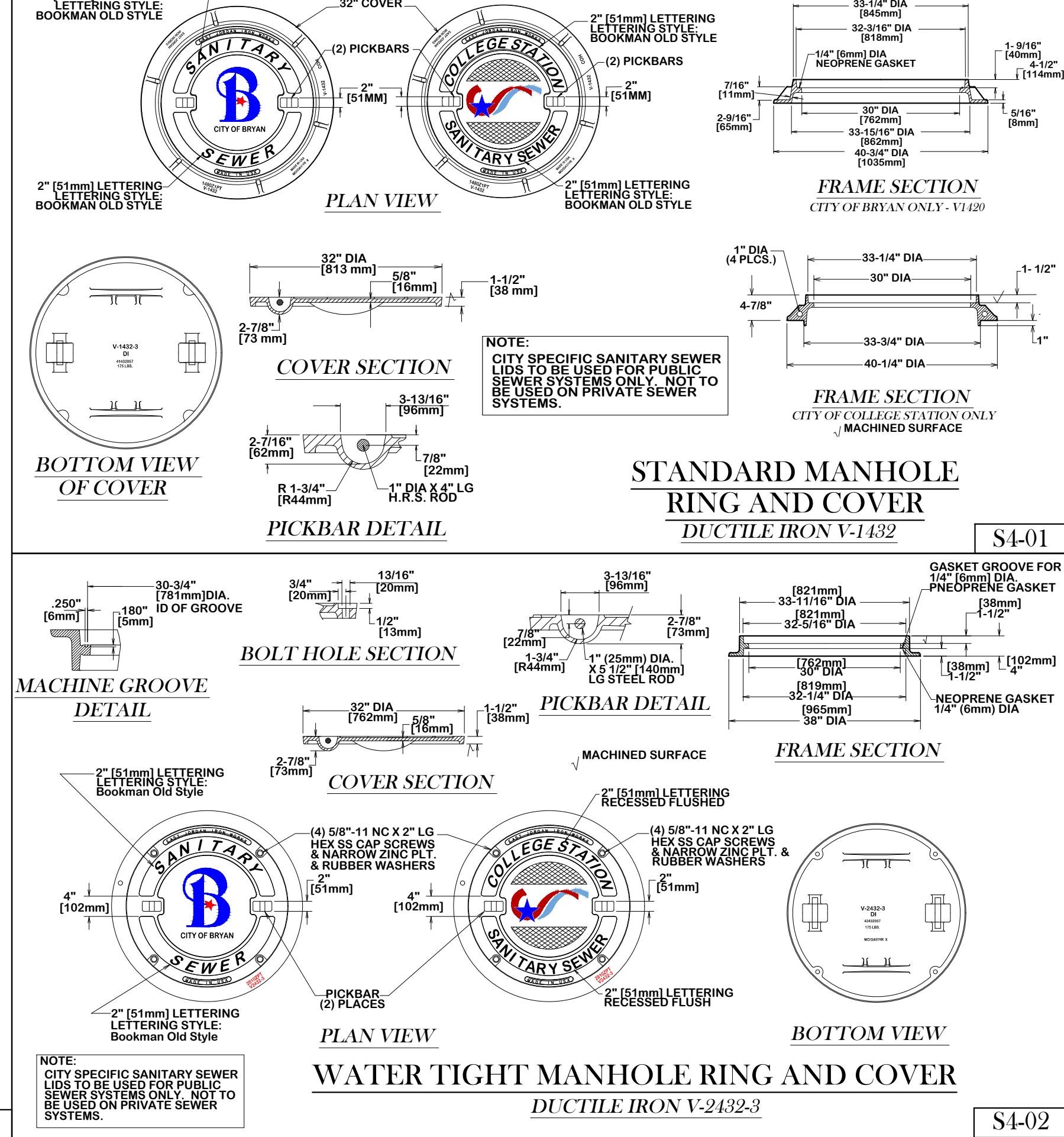
STANDARD MANHOLE TIE-IN

S3-01



**TYPICAL CONCRETE DRILLED
PIER FOR AERIAL SEWER**

S4-00



**STANDARD MANHOLE
RING AND COVER**

DUCTILE IRON V-1432

S4-01

WATER TIGHT MANHOLE RING AND COVER

DUCTILE IRON V-2432-3

S4-02

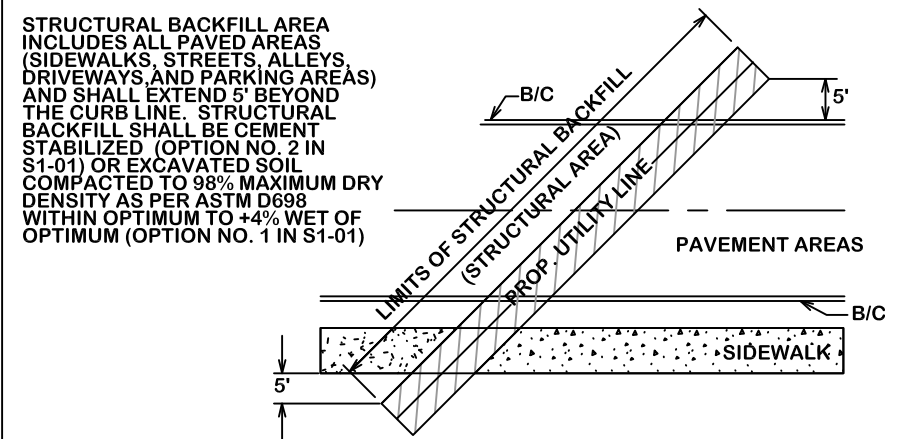
GENERAL NOTES:

ALL AREAS WHERE EXISTING VEGETATION AND GRASS COVER HAVE BEEN BARED BY CONSTRUCTION SHALL BE ADEQUATELY BLOCK SODED OR HYDROMULCHED AND WATERED UNTIL GROWTH IS ESTABLISHED. IN DEVELOPED AREAS WHERE GRASS IS PRESENT, BLOCK SOD WILL BE REQUIRED. BARED AREAS SHALL BE SEED OR SODED WITHIN 14 CALENDAR DAYS OF LAST DISTURBANCE.

APPROVED EROSION CONTROL MEASURES MUST BE INSTALLED DURING THE ENTIRE TIME THAT EARTH HAS BEEN BARED BY CONSTRUCTION AND SHALL STAY IN PLACE UNTIL ACCEPTABLE VEGETATIVE GROWTH IS ESTABLISHED AFTER CONSTRUCTION IS COMPLETE AND THEN REMOVED BY CONTRACTOR.

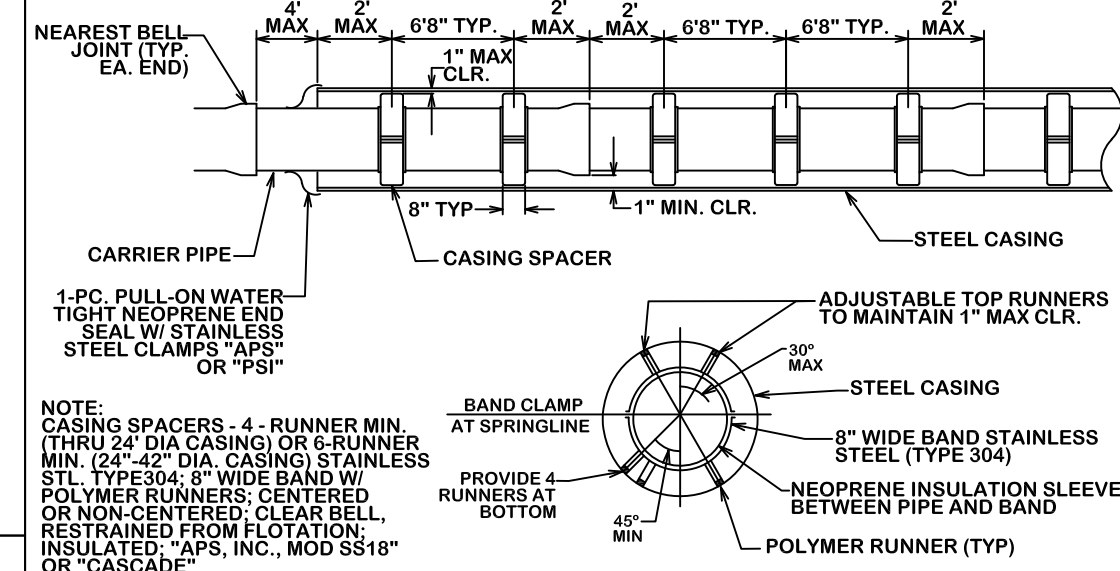
ALL EROSION CONTROL MEASURES SHOULD BE CLEANED OF SILT AFTER EVERY RAIN.

ESTABLISHMENT OF VEGETATION MAY BE A WARRANTY ITEM.



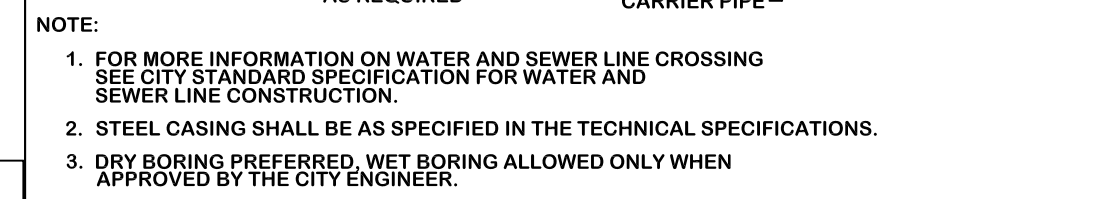
STRUCTURAL BACKFILL AREA

S5-00



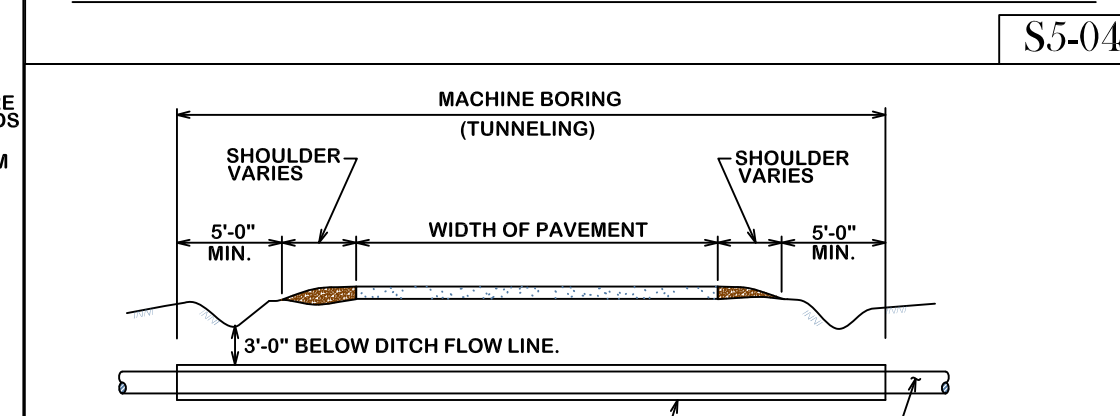
CASING DETAIL

S5-03



TYPICAL URBAN CITY STREET CROSSING

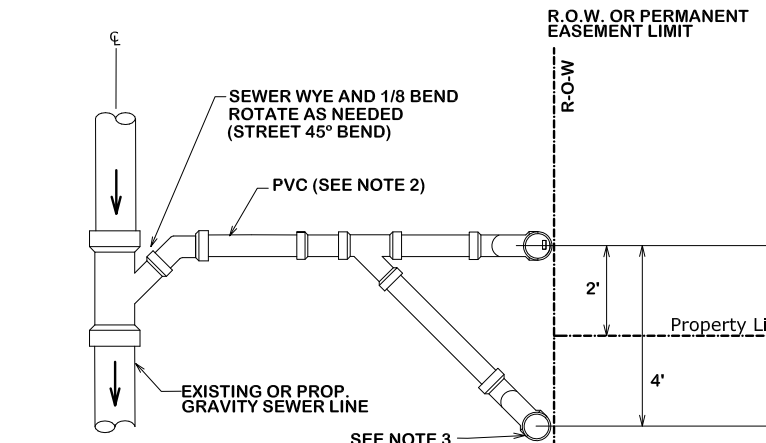
S5-04



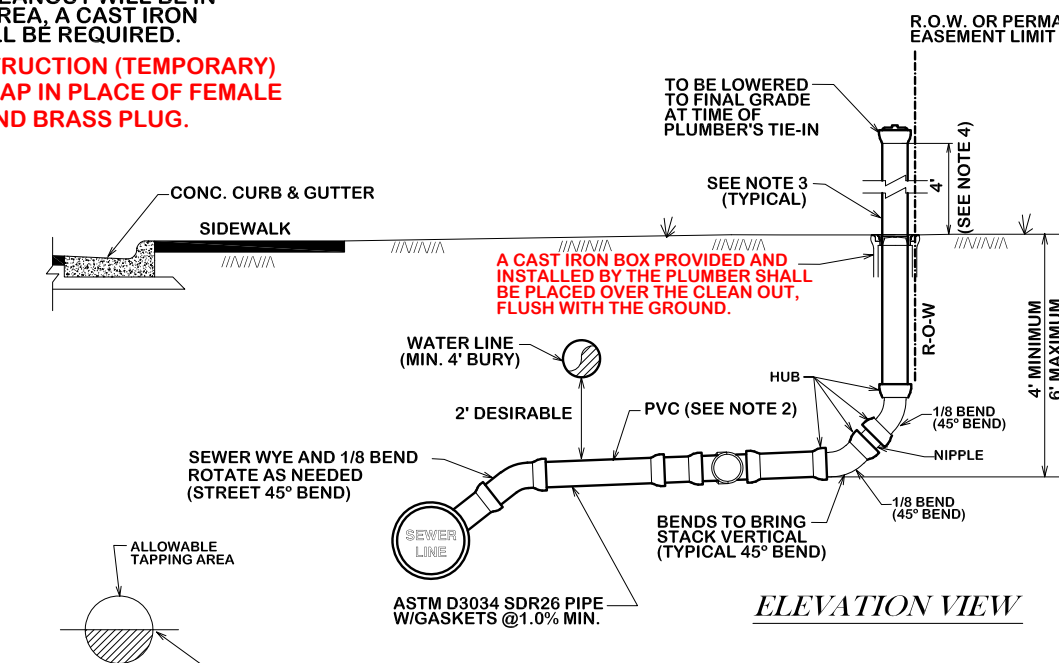
TYPICAL RURAL STREET CROSSING

S5-05

- NOTE:**
1. ALL MATERIAL SHALL BE ASTM D3034 SDR26 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 LONG AND SHORT SIDE SERVICE. CLEANOUT SHALL INCLUDE A BRASS PLUG. CLEANOUTS SHALL BE EXTENDED 4 FEET ABOVE NATURAL GROUND. CLEANOUT CAP FITTING SHALL BE PLACED ON TOP.
 4. LOT CORNERS SHALL BE MARKED WITH A LATH UNDER THE SUPERVISION OF A S.P.L.S. UPON COMPLETION OF CONSTRUCTION
 5. "STANDARD" SERVICE CONNECTIONS APPLY WHEN TRENCH IS LESS THAN 7' DEEP.
 6. "DEEP" SERVICE CONNECTIONS APPLY WHEN TRENCH IS MORE THAN 7' DEEP.
 7. SERVICE SHALL BE AS SHALLOW AS POSSIBLE AND STILL SERVICE LOT.
 8. WHERE A SINGLE SERVICE THAT SERVES A SINGLE RESIDENCE TAPS INTO A MANHOLE NEAR THE PROPERTY LINE OF THAT LOT A SEWER STACK SHALL NOT BE REQUIRED.
 9. WHERE A CLEANOUT WILL BE IN A TRAFFIC AREA A CAST IRON TOP HAT WILL BE REQUIRED.
 10. NEW CONSTRUCTION (TEMPORARY) USE GLUE CAP IN PLACE OF FEMALE ADAPTER AND BRASS PLUG.



PLAN VIEW



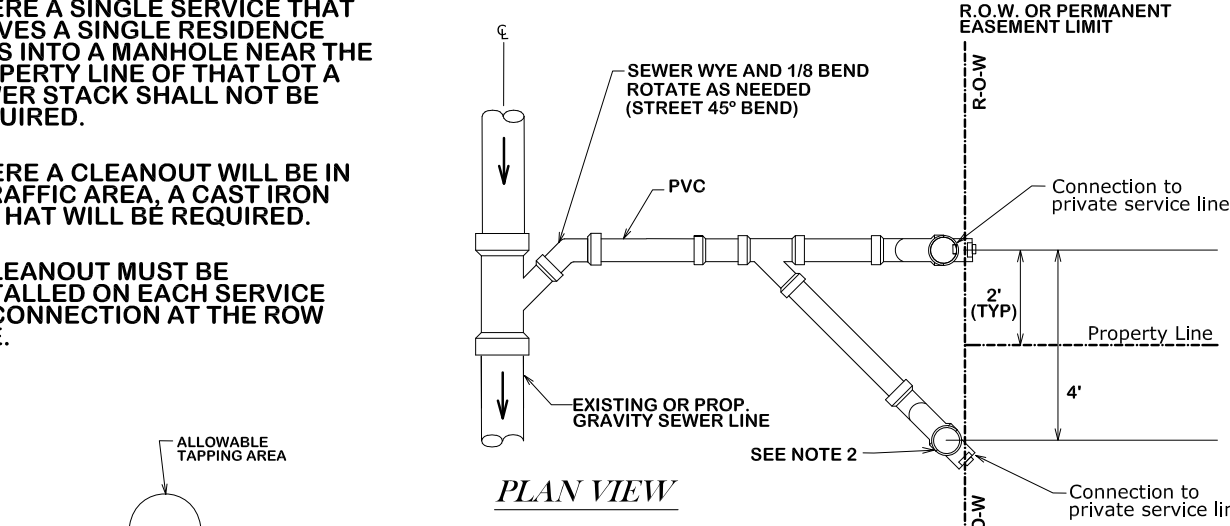
ELEVATION VIEW

STANDARD SEWER SERVICE CONNECTION

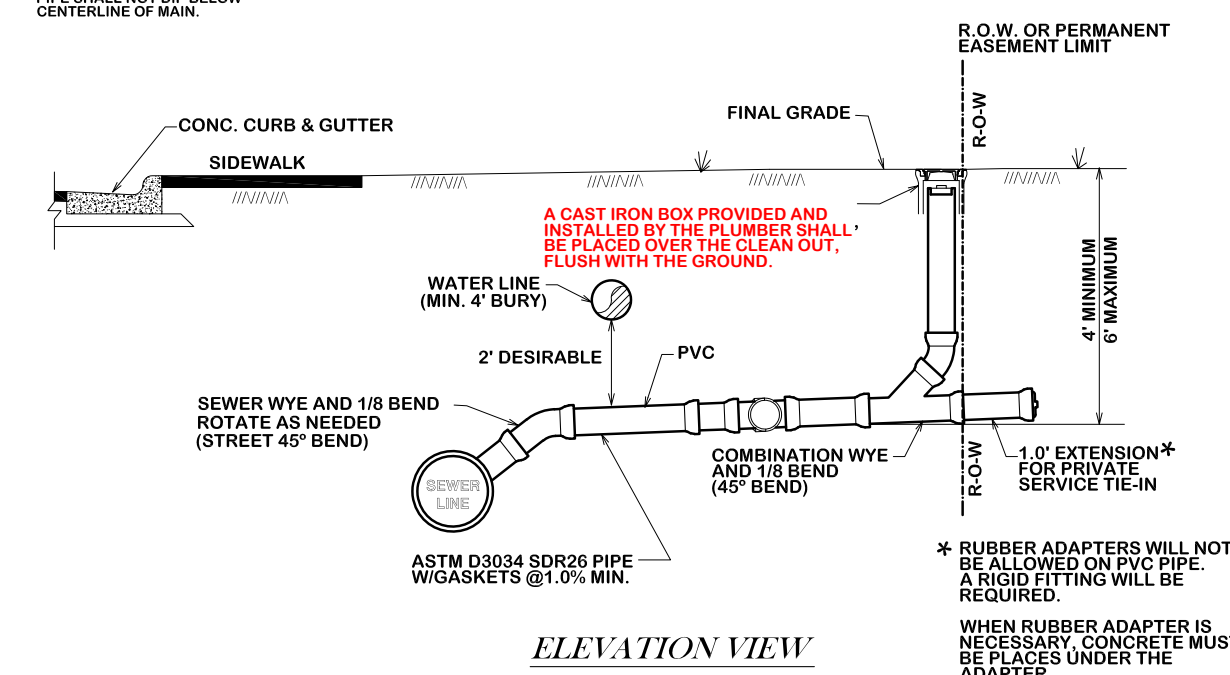
NEW CONSTRUCTION ONLY

S6-00

- NOTE:**
1. ALL MATERIAL SHALL BE ASTM D3034 SDR26 W/ GASKETS
 2. SERVICE SHALL BE AS SHALLOW AS POSSIBLE AND STILL SERVICE LOT
 3. WHERE A SINGLE SERVICE THAT SERVES A SINGLE RESIDENCE TAPS INTO A MANHOLE NEAR THE PROPERTY LINE OF THAT LOT A SEWER STACK SHALL NOT BE REQUIRED.
 4. WHERE A CLEANOUT WILL BE IN A TRAFFIC AREA, A CAST IRON TOP HAT WILL BE REQUIRED.
 4. A CLEANOUT MUST BE INSTALLED ON EACH SERVICE RE-CONNECTION AT THE ROW LINE.



PLAN VIEW

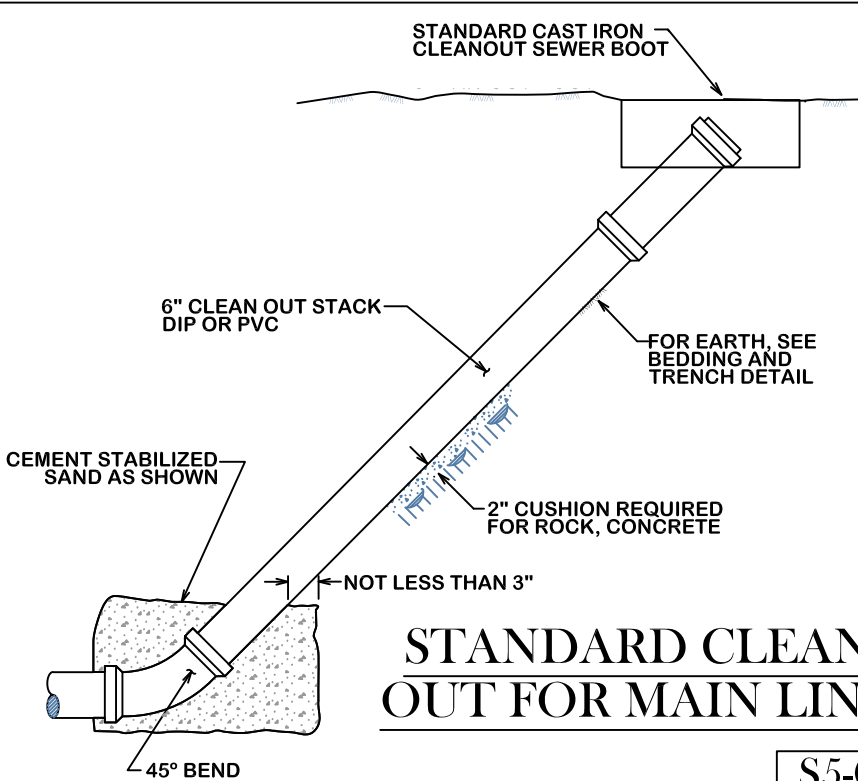


ELEVATION VIEW

STANDARD SEWER SERVICE RE-CONNECTION

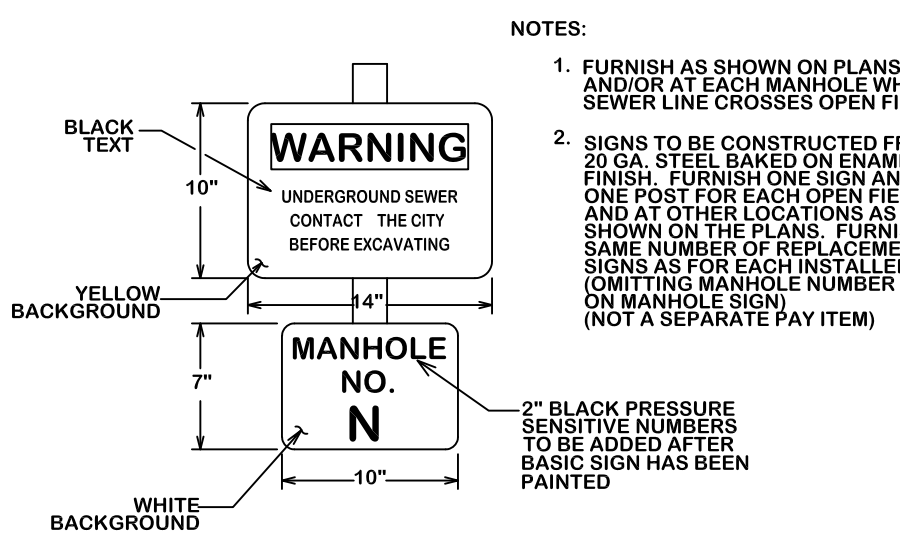
PLUMBER CONNECTION OR CIP RECONSTRUCTION

S6-01



STANDARD CLEAN OUT FOR MAIN LINE

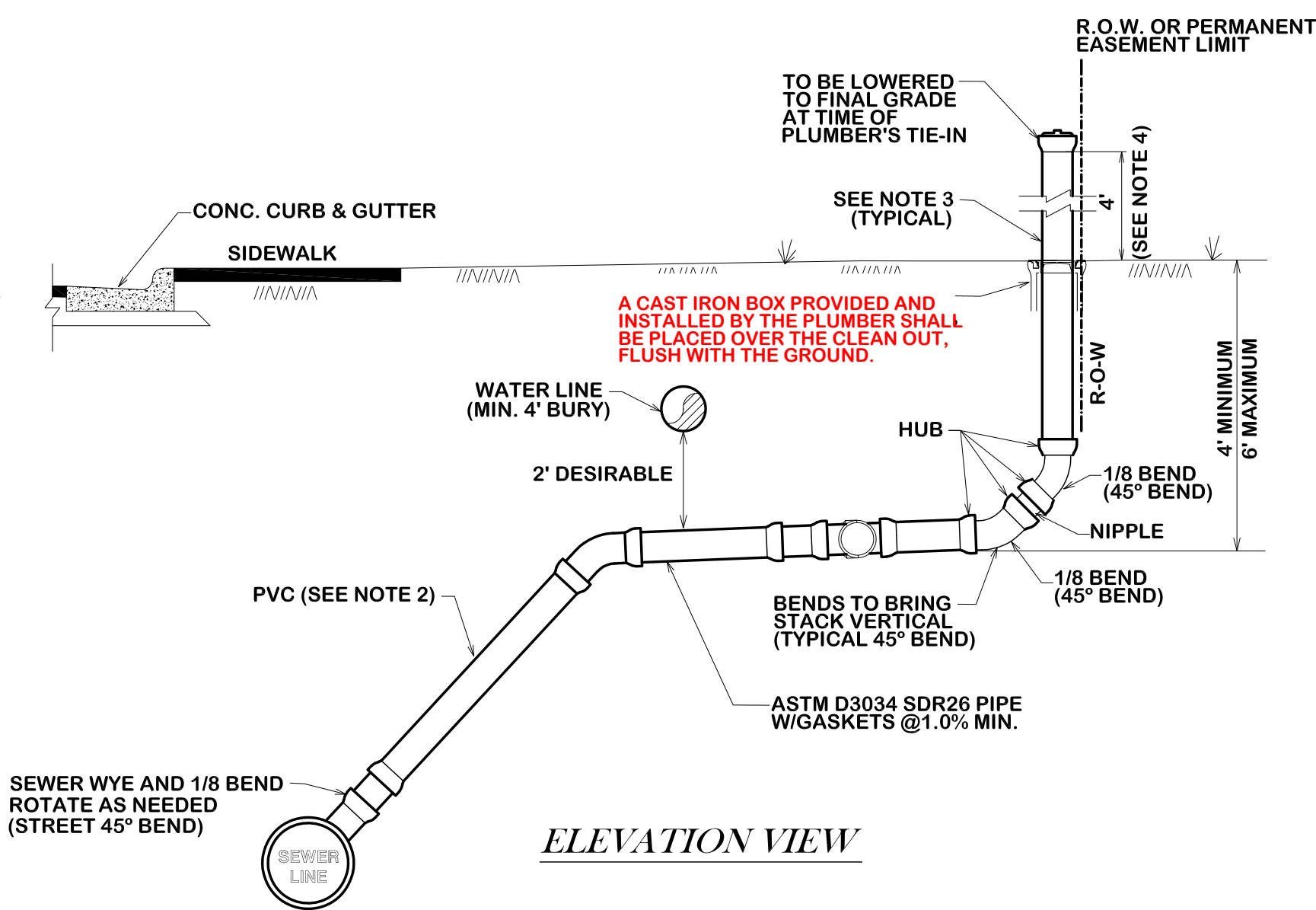
S5-01



SEWER WARNING AND MANHOLE IDENTIFICATION SIGN

S5-02

- NOTE:**
1. ALL MATERIAL SHALL BE ASTM D3034 SDR26 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 LONG AND SHORT SIDE 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. NEW CONSTRUCTION (TEMPORARY) USE GLUE CAP IN PLACE OF FEMALE ADAPTER AND BRASS PLUG.



ELEVATION VIEW

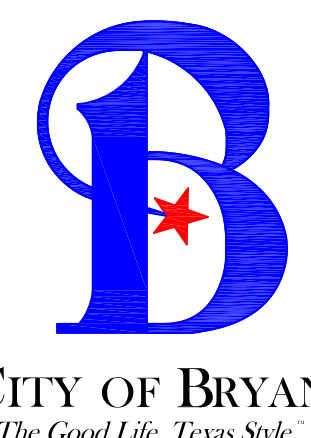
SEWER DEEP SERVICE CONNECTION

NEW CONSTRUCTION ONLY

S8-00

REVISIONS:
S5-00 & S6-01 revised 10/26/2012.

**BRYAN - COLLEGE STATION
STANDARD SEWER DETAILS**



DRAWN BY: K.L.
DATE: APR 2024
SCALE: N T S
APPROVED: W. P. K.

S2
SHEET 2 OF 2