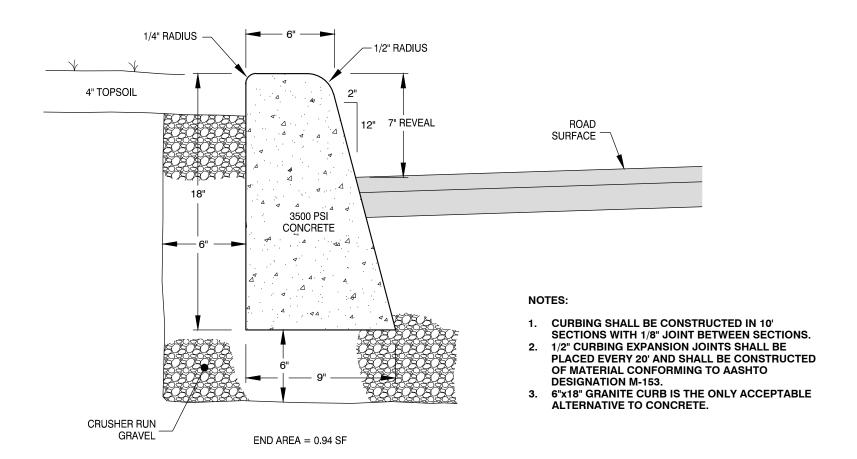


- 1. ALL MATERIAL AND CONSTRUCTION TO BE ACCORDING TO SPECIFICATIONS.
- CURB AND SIDEWALK SECTIONS SHALL BE SEPARATED BY PREMOULDED EXPANSION JOINT FILLER.
- 3. GRANITE CURB IS ONLY ACCEPTABLE ALTERNATIVE TO THIS DETAIL.
- 4. EXPANSION JOINT EVERY 20', SCORE JOINT EVERY 5'.

ROADWAY DETAILS

CONCRETE SIDEWALK AND CURB NTS

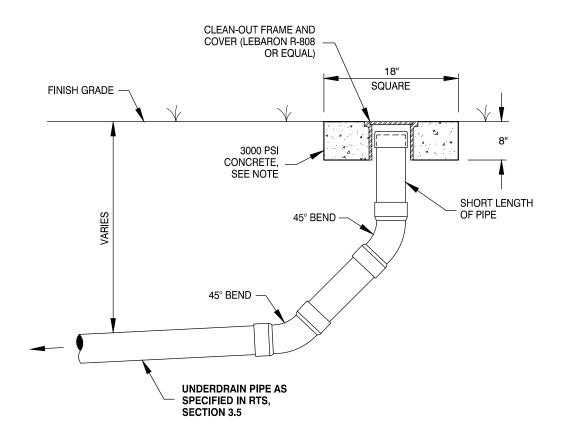


ROADWAY DETAILS

CONCRETE CURB

NOTE:

THIS FRAME AND COVER DETAIL APPLIES TO INSTALLATION IN GRASS. IN PAVEMENT, BIT. CONCRETE WILL SURROUND FRAME.

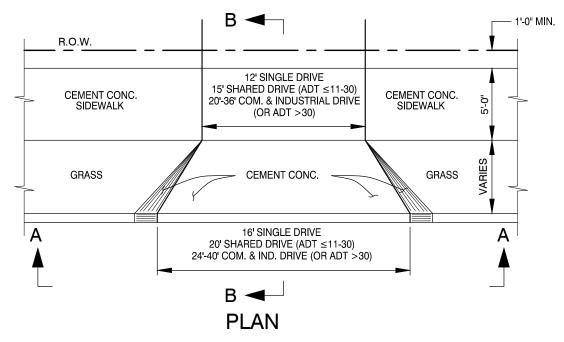


ROADWAY DETAILS

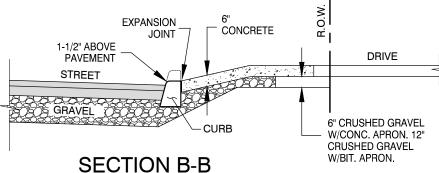
TYPICAL UNDERDRAIN CLEAN-OUT NTS

ROADWAY DETAILS

REPLACEMENT OF EXISTING BITUMINOUS PAVEMENT NTS



SIDEWALKS TO BE: 6" THICK FOR RESIDENTIAL DRIVES (ADT ≤11-30) 8" THICK FOR COMMERCIAL & INDUSTRIAL DRIVES (OR ADT >30) PAVEMENT TRANSITION PAVEMENT LINE SECTION A-A



NOTES:

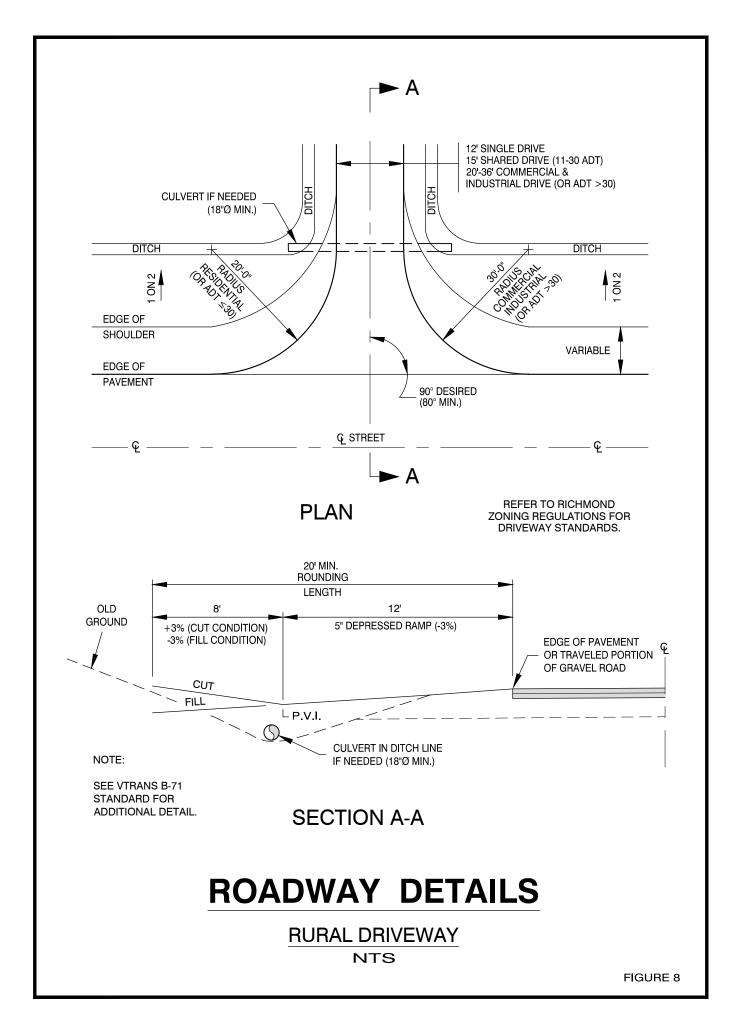
ALL MATERIAL AND CONSTRUCTION TO BE ACCORDING TO SPECIFICATIONS.

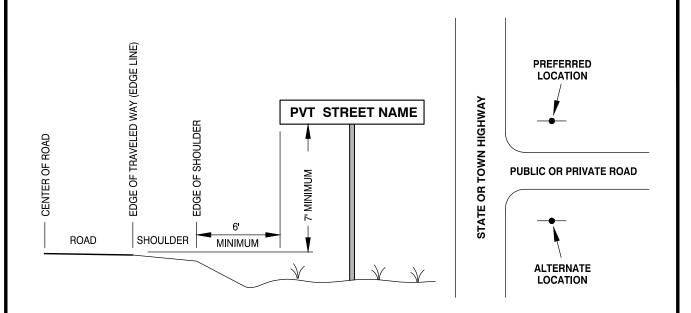
SEE VTRANS B-71 STANDARD FOR ADDITIONAL DETAIL.

ROADWAY DETAILS

URBAN DRIVEWAY APRONS

FIGURE 7





TYPICAL STREET NAME SIGN LOCATION NTS

PLACE THE SIGN A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER AND A MINIMUM OF 7' ABOVE THE ROAD SURFACE AT THE EDGE OF THE TRAVELED WAY. IF MOUNTED ON A POST WITH ANOTHER STREET OR ROAD NAME, THE PRIVATE STREET NAME SIGN SHOULD BE MOUNTED <u>UNDER</u> THE OTHER STREET NAME SIGN. DO NOT PLACE THE PRIVATE STREET NAME SIGN ON THE SAME POST WITH OTHER ROADWAY SIGNS. ALL SIGNS SHALL CONFORM WITH THE LATEST EDITION OF MUTCD.

SIGNPOST SPECIFICATIONS

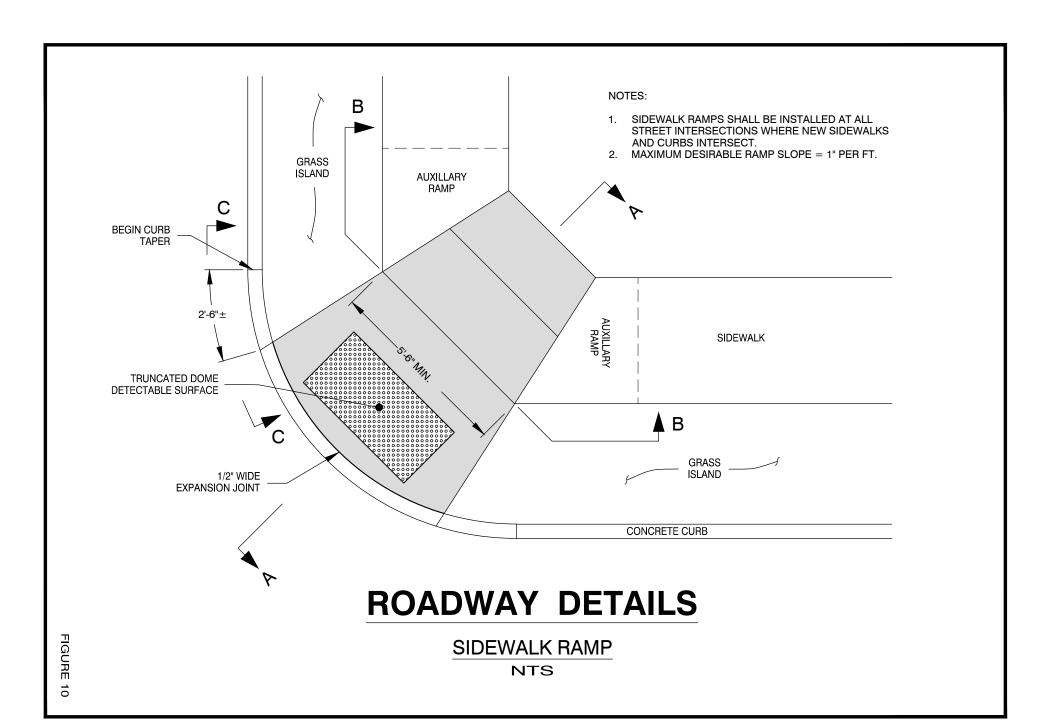
POSTS USED TO SUPPORT STREET NAME SIGNS, EITHER PUBLIC OR PRIVATE, MUST BE A TYPE WHICH DOES NOT CREATE A HAZARD TO A MOTORIST WHO COLLIDES WITH ONE.

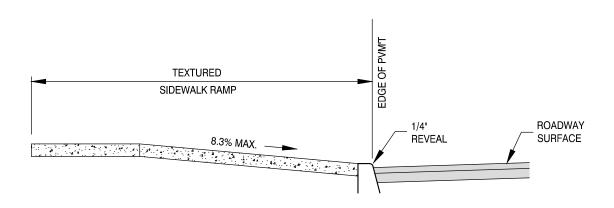
THE VERMONT AGENCY OF TRANSPORTATION (VTRANS) HAS DESIGN STANDARDS WHICH IT USES IN THE DESIGN AND ERECTION OF SIGNS. TO MEET THESE STANDARDS, POSTS MUST BE CRASH-TESTED AND APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA). FOR SIGNS OF THIS SIZE, VTRANS USES "FLANGED CHANNEL" GALVANIZED STEEL POSTS OR SQUARE STEEL POSTS (1-1/2" x 1-1/2" x 14 GAUGE, 1-3/4" x 1-3/4" x 14 GAUGE OR 2" x 2" x 14 GAUGE POSTS). WHICH ARE AVAILABLE FROM SEVERAL SUPPLIERS. ALL STEEL POSTS SHALL INCLUDE A BREAKAWAY ASSEMBLY. WOOD POSTS CAN ALSO BE USED IF THEY ARE SOFTWOOD AND 4" x 4" OR LESS, UNTREATED OR TREATED.

NOT ACCEPTABLE ARE CONCRETE, MORTARED STONE, STONE COLUMNS OR DECORATIVE ARCHWAYS AND THE LIKE AS THEY ARE ROADSIDE HAZARDS. ANY POST WHICH HAS NOT BEEN CRASH-TESTED AND APPROVED BY FHWA IS NOT ACCEPTABLE WITHIN THE STATE'S RIGHT OF WAY AND SHOULD NOT BE ACCEPTABLE WITHIN THE TOWN'S RIGHT OF WAY.

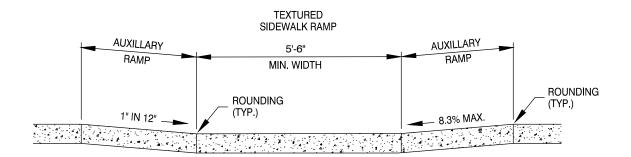
FOR INFORMATION ABOUT WHETHER A SPECIFIC POST OR DESIGN CONTEMPLATED FOR USE IS ACCEPTABLE, PLEASE CONTACT YOUR DISTRICT TRANSPORTATION ADMINISTRATOR FOR ADVICE.

SIGNS & SIGNPOSTS

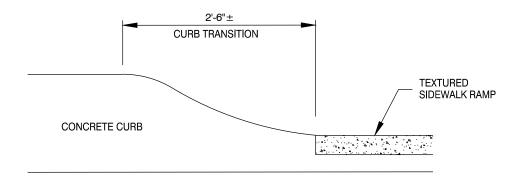




SECTION A-A



SECTION B-B



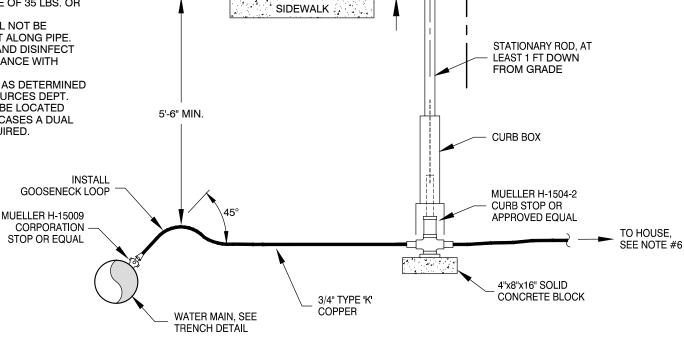
SECTION C-C

ROADWAY DETAILS

SIDEWALK RAMP SECTIONS
NTS

NOTES

- 1. TEFLON THREAD SEALANT SHALL BE USED ON ALL CORPORATION STOPS PRIOR TO INSERTION: A) SPIRAL WRAP COMPLETELY COVERING THE THREAD AREA WITH TWO WRAPS, B) PIPE DOPE OR OTHER LIQUID THREAD SEALANTS ARE NOT ACCEPTABLE.
- 2. LEAVE ONE TO THREE THREADS SHOWING OUTSIDE OF PIPE (A TORQUE OF 35 LBS. OR LESS IS RECOMMENDED).
- CORPORATION STOPS SHALL NOT BE PLACED LESS THAN 1' APART ALONG PIPE.
- CONTRACTOR SHALL TEST AND DISINFECT WATER SERVICE IN ACCORDANCE WITH AWWA C-601.
- 5. SERVICE SIZE TO BE 3/4" OR AS DETERMINED BY RICHMOND WATER RESOURCES DEPT.
- METER AND BALL VALVE TO BE LOCATED WITHIN STRUCTURE. IN ALL CASES A DUAL CHECK VALVE WILL BE REQUIRED.



LID WITH

1" MAX.

R.O.W. OR

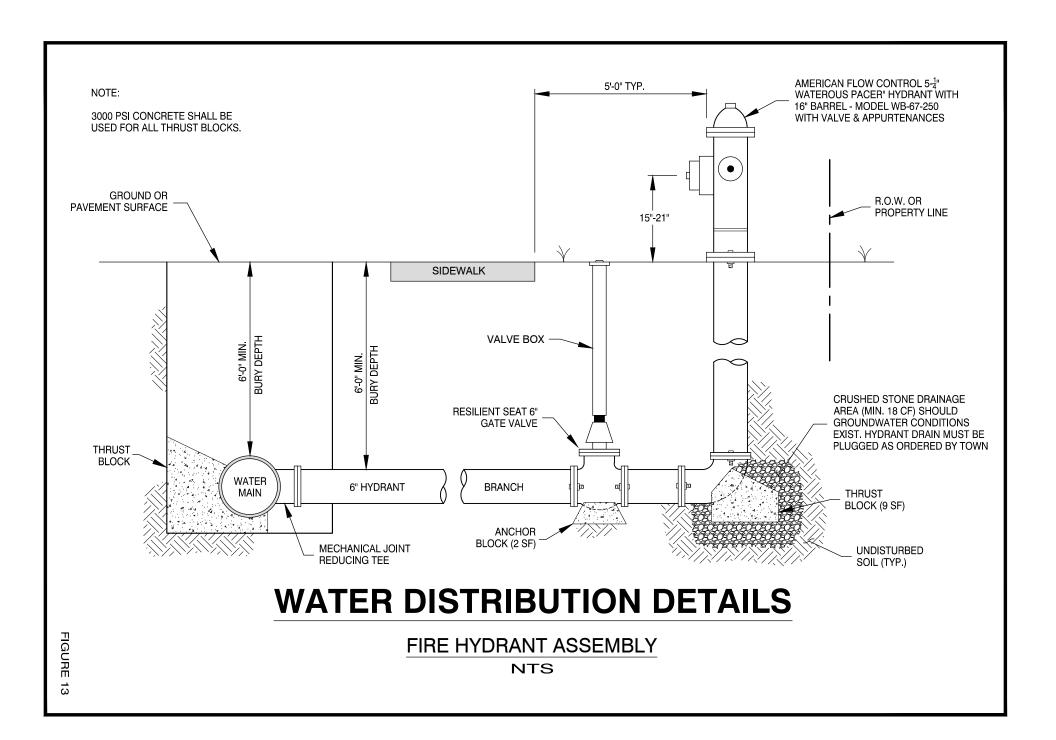
PROPERTY LINE

GRADE

2-HOLE DESIGN

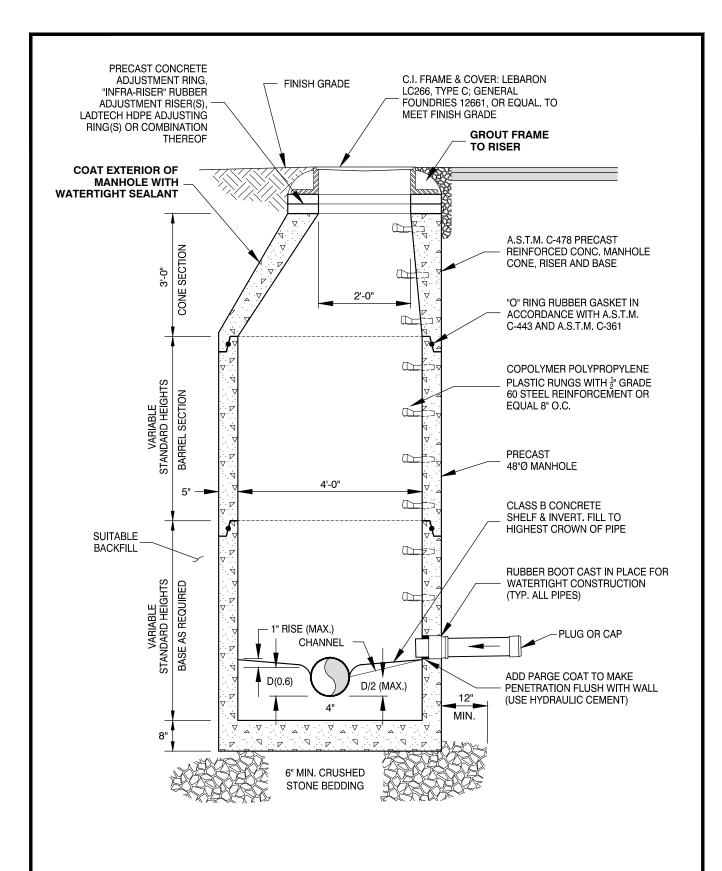
WATER DISTRIBUTION DETAILS

HOUSE SERVICES



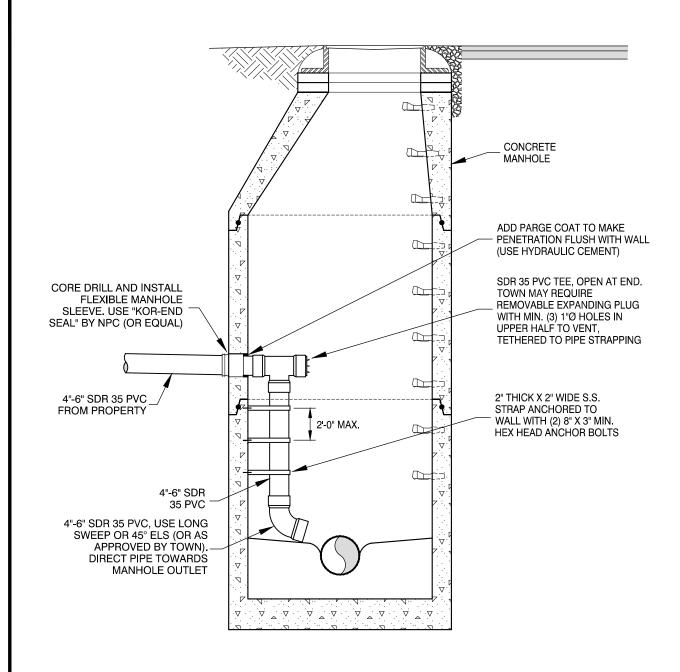
WATER DISTRIBUTION DETAILS

STANDARD TRENCH FOR WATER
NTS



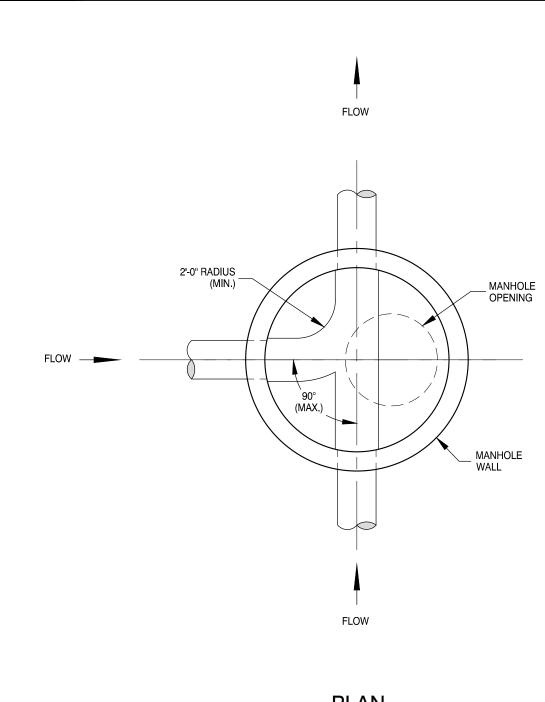
SANITARY SEWER DETAILS

PRECAST MANHOLES
NTS



SANITARY SEWER DETAILS

DROP MANHOLE CONNECTION NTS



PLAN

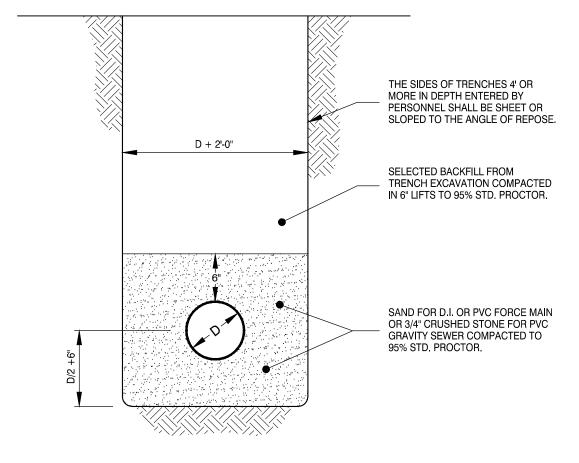
SANITARY SEWER DETAILS

MANHOLE CHANNEL NTS

DEPTH OF SEWER LINES VARY AS SHOWN ON PLANS.

"D" IS INSIDE DIAMETER OF PIPE.

A WET TRENCH SHALL BE DEWATERED PRIOR TO PLACEMENT OF BEDDING.

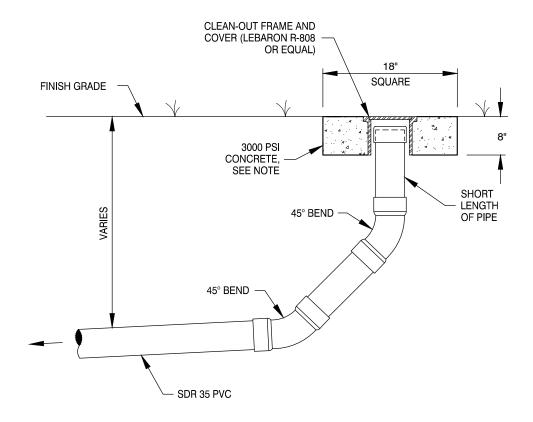


SANITARY SEWER DETAILS

STANDARD TRENCH FOR SEWER

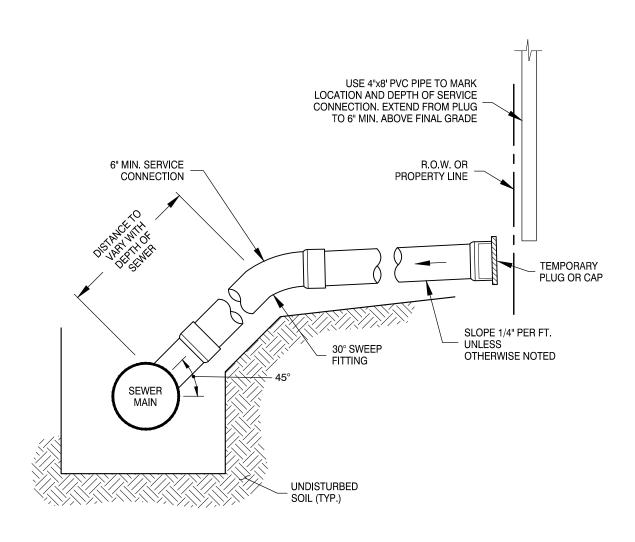
NOTE:

 THIS FRAME AND COVER DETAIL APPLIES TO INSTALLATION IN GRASS. IN PAVEMENT, BIT. CONCRETE WILL SURROUND FRAME.



SEWER DETAILS

TYPICAL SEWER CLEAN-OUT NTS



SANITARY SEWER DETAILS

SERVICE CONNECTION NTS

NOTES: ALL PENETRATIONS SHGALL BE CORED AND BOOTED. C.B. FRAME AND GRATE. CATCH BASIN WITH LARGER LeBARON LK-120 OR DRAIN PIPING MAY REQUIRE LK-120A FOR ENTRANCE **DIAMETER GRATER THAN 36" GRADES EXCEEDING 5%** HIGH STRENGTH **CURB** NON-SHRINK FINISH GRADE GROUT PRECAST CONCRETE ADJUSTMENT RING OR GROUT "INFRA-RISER" RUBBER ADJUSTMENT RISER(S) S.D. IRELAND #530 OR APPROVED EQUAL 36"Ø MIN. (4,000 PSI CONC.) . Δ "O" RING RUBBER GASKET IN STORMWATER ACCORDANCE WITH A.S.T.M. **PIPING** . △ C-443 AND A.S.T.M. C-361 UNDERDRAIN 12"Ø DRAIN 12"Ø DRAIN (MIN.) 6" MIN. . ∨ (MIN.) **FACTORY** PIPE BOOT 2'-0" .∨ **SUMP** 4 ٠Д

STORM DRAINAGE DETAILS

UNDISTURBED SOIL
OR 6" OF GRAVEL
COMPACTED TO
95% STD. PROCTOR

PRECAST CATCH BASIN NTS

STORM DRAINAGE DETAILS

STANDARD TRENCH FOR STORM DRAINS
NTS