



NOTES:

1. VALUES FOR TEE ALSO APPLY TO END PLUGS, CAPS, AND TAPPING SLEEVES.
2. REQUIRED BEARING AREAS ARE BASED ON AFFORDABLE SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT FOR SAND OR GRAVEL. IF BEARING AREA IS AGAINST SILT OR CLAY, THE REQUIRED BEARING AREAS SHALL BE DOUBLE THOSE TABULATED.



NOT TO SCALE		
1/6/93	ADDED CONSTRUCTION NOTES	A
DATE	DESCRIPTION	REF

- CONSTRUCTION NOTES

1. ALL CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE STATE OF MASSACHUSETTS DEPT. OF PUBLIC WORKS STANDARD SPECIFICATIONS AND WITH THE TOWN REGULATIONS.
2. ANY SUBSTITUTIONS OF MATERIALS SHALL BE APPROVED BY THE ENGINEER IN WRITING.
3. THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-322-4844 AND VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING EXCAVATION OR CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LOCAL AND STATE CONSTRUCTION PERMITS PRIOR TO BEGINNING WORK.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
6. SHOULD GROUND WATER OR UNSUITABLE MATERIALS BE ENCOUNTERED DURING CONSTRUCTION, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY FOR DETERMINATION OF POSSIBLE CONSTRUCTION DESIGN CHANGES SUCH AS (BUT NOT LIMITED TO) UNDERDRAINS OR ALIGNMENT AND GRADE CHANGES.
7. CLEARING THE SITE SHALL INCLUDE THE REMOVAL AND DISPOSAL OF DOWN TIMBER, RUBBISH AND DEBRIS FOUND EXISTING WITHIN THE AREAS TO BE CLEARED. CLEARING SHALL NOT TAKE PLACE UNTIL THE CONTRACTOR HAS DETERMINED FROM THE OWNER WHICH TREES ARE TO BE SAVED WITHIN THE CLEARING LIMITS.
8. PAVEMENT OF PUBLIC ROADWAYS SHALL CONSIST OF 1 1/2 INCHES BITUMINOUS LAYER, 9 INCHES CRUSHED GRAVEL, 12 INCHES BANK RUN GRAVEL.
9. WOOD SHEETING OR A SUITABLE TRENCH BOX SHALL BE USED TO SUPPORT THE TRENCH AS NECESSARY. IF WOOD SHEETING IS USED, IT SHALL BE DRIVEN AT A DISTANCE OF ONE FOOT FROM THE OUTSIDE DIAMETER OF THE PIPE TO A DEPTH SIX INCHES BELOW THE INVERT OF THE PIPE. WOOD SHEETING SHALL BE CUT OF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN ONE FOOT ABOVE THE TOP OF THE PIPE, BUT NOT GREATER THAN THREE FEET BELOW THE FINISHED GRADE.
10. BEDDING SHALL CONFORM WITH THE STATE OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS.
11. BACKFILL MATERIAL WILL CONFORM WITH STATE OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS. IN ADDITION, SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL WHICH AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION. BACKFILL SHALL NOT BE PLACED ON FROZEN MATERIAL.
12. COMPACTION OF TRENCH BACKFILL AND PIPE BEDDING SHALL BE SIX INCH LIFTS FOR BEDDING AND BACKFILL TO A PLANE ONE FOOT ABOVE THE PIPE AND IN 12 INCH LIFTS THEREAFTER BY AN APPROVED MECHANICAL COMPACTOR.
13. SHOULD FROZEN MATERIAL BE ENCOUNTERED, IT SHALL NOT BE PLACED IN THE BACKFILL NOR SHALL BACKFILL BE PLACED UPON FROZEN MATERIAL.
14. ALL DRAINAGE UNDER ROADWAYS SHALL BE CLASS IV PIPE. USE CLASS III ELSEWHERE.
15. ALL WORK SHALL CONFORM TO THE TOWN DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS.
16. WATER MAIN SHALL BE C-900 PVC, HYDRANTS SHALL BE A.P. SMITH OPENING TO THE LEFT WITH TOWN APPROVED GATE VALVES, BRASS FITTINGS AND SADDLES.
17. SEWER COVERS SHALL BE WATER TIGHT, CAST-IN RUBBER BOOTS AND STAINLESS STEEL STRAPS TO PRECAST BASE.
18. WATER MAINS, SEWER MAINS AND MANHOLES ARE TO BE TESTED IN THE PRESENCE OF THE TOWN.

BEFORE YOU DIG
CALL DIG SAFE CALL CENTER
TOLL FREE
IN MASS. 1-800-322-4844
IN ME, NH, VT, & RI 1-800-225-4977

S K PROPERTIES
NEW IPSWICH, N.H.

WATER - SEWER DETAILS

SCALE: NOTED		DATE: DEC. 18, 1992		SHEET D-1		REV. C
DESIGN	DRAWN	CHECKED	FB	PG	92-004-17	
GAC		RJP				

Bedford Design Consultants
ENGINEERS AND SURVEYORS

136 Harvey Road, Hilltop Center, Bldg. B, Londonderry, NH 03053
Telephone (603) 622-5533 Fax (603) 622-4740

