

5' or 6' DIAMETER BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' and 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

- NOTES:
1. PROVIDE WATER TIGHT GASKET FRAME AND COVER.
2. PROVIDE LOCK DOWN COVER.

DRAIN MANHOLE DETAIL
NOT TO SCALE

LEGEND

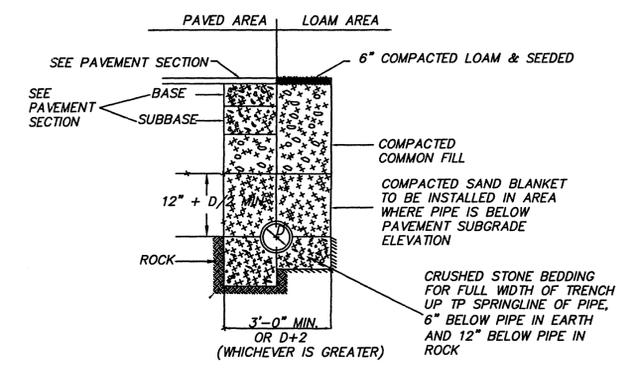
- ⊙ SEWER MANHOLE
- ⊕ UTILITY POLE
- ⊙ TREE
- ⊙ EXISTING LIGHTPOLE
- ⊙ CATCHBASIN
- ⊙ HYDRANT
- FLOW DIRECTION
- ⊙ ELECTRICAL BOX
- ⊙ SIGN
- ⊙ MH MANHOLE
- ⊙ ELECTRICAL MANHOLE
- ⊙ MONITORING WELL
- PROPOSED BOLLARD
- SILTFENCE
- STONEWALL
- OR — FENCE
- GUARDRAIL

GRADING NOTES:

1. ALL FILL SHALL BE COMPACTED TO MEET THE FOLLOWING REQUIREMENTS:

LOCATION	MINIMUM
BELOW BUILDING AND OTHER STRUCTURES	95%
BELOW PAVED OR CONCRETE AREAS	92%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL	95%
BELOW LOAM AND SEED AREAS	90%

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM.
2. VERTICAL DATUM IS BASED UPON PLAN REFERENCE #1.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE CONSTRUCTION PERIOD.
4. TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY WORK COMMENCING ON SITE AND SHALL BE MAINTAINED AND REPAIRED AS NECESSARY UNTIL CONSTRUCTION IS COMPLETE AND VEGETATION HAS BEEN ESTABLISHED.
5. ALL DISTURBED AREA NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, FERTILIZER, SEED AND MULCH.
6. ALL EXCESS MATERIAL GENERATED BY THE WORK SHALL BE DISPOSED OF PROPERLY OFF SITE.
7. SEE EXISTING CONDITION PLAN FOR BENCHMARK INFORMATION.
8. SEE DETAIL SHEETS FOR EROSION CONTROL PROCEDURES AND CONSTRUCTION SEQUENCING.
9. CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE AT EACH POINT OF INGRESS OR EGRESS TO THE SITE. THE STABILIZED ENTRANCE SHALL BE A MINIMUM OF 50' LONG AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.

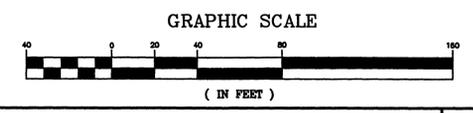


BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF ASTM D-1557 SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% ASTM D-1557.

SAND BLANKET & BEDDING

SIIEVE SIZE	% FINER BY WEIGHT
1/2"	90 - 100
200	0 - 15

TRENCH
NOT TO SCALE



NO.	REVISIONS	APPD.	DATE
GRADING DRAINAGE & EROSION CONTROL PLAN			
DRAINAGE SWALE MODIFICATIONS COAL YARD AT SCHILLER STATION PORTSMOUTH, NEW HAMPSHIRE			
PUBLIC SERVICE OF NEW HAMPSHIRE GOSLING ROAD PORTSMOUTH, NEW HAMPSHIRE			
DATE: JUNE 30, 2005			
DESIGN BY: SJH			
DRAWN BY: SRD			
APPROVED BY: SJH			
SCALE: 1"=40'			
PROJECT NO: 0518			
FILE: 0518SITE			
HAIGHT ENGINEERING, LLC CIVIL ENGINEERS P.O. BOX 1166 181 WATSON ROAD DOVER, NEW HAMPSHIRE 603.750.4266. FAX 603.749.7348			C-3