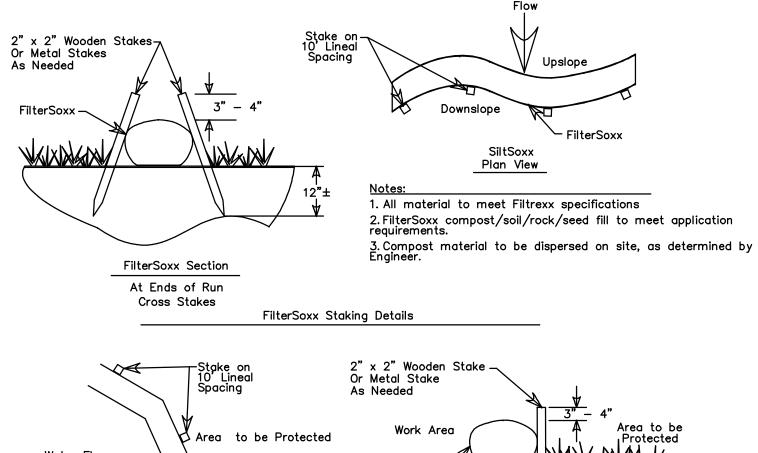


- NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
- 3. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" 5" (5 CM 12.5 CM) OVERLAP DEPENDING
- 5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE
- *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.
- 1. THE USE OF WELDED PLASTIC OR BIODEGRADABLE PLASTIC NETTING OR THREAD IN EROSION CONTROL MATTING IS PROHIBITED. THE USE OF WILDLIFE FRIENDLY ORGANIC MATERIALS IS RECOMMENDED. 2. ALL EROSION CONTROL MATS SHALL BE INSTALLED ON ALL CUT & FILL SLOPES.

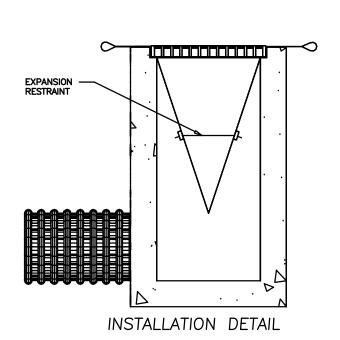


Water Flow___ `_Filtrexx Compost SiltSoxx SiltSoxx Section Plan View

- 1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
- SILTSOXX COMPOST/JSOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER. 5. SILT BARRIERS SHALL BE INSTALLED AROUND THE PERIMETER OF EACH BUILDING LOT PRIOR TO COMMENCING EXCAVATION AND MAINTAINED UNTIL THE SITE IS

SILTSOXX DETAILS

NOT TO SCALE



□IL-ABS□RBANT SILTSACK ®

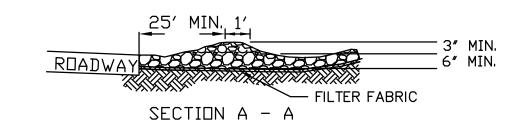
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS) DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK●, WITH A WOVEN PILLOW INSERT.

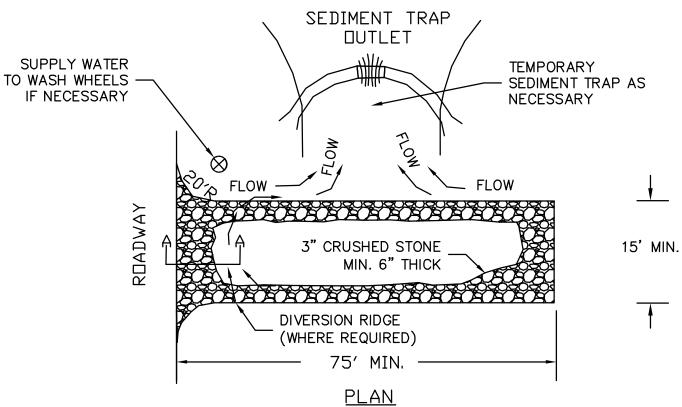
<u>SILTSACK</u>® NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FARKIC THAT MEETS OK EXCEEDS THE FOLLOWING SPECIFICATIONS AS SUPPLIED BY AH HARRIS OF PORTSMOUTH OR APPROVED EQUAL REGULAR FLOW SILTSACK® (FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF) PROPERTIES TEST METHOD GRAB TENSILE STRENGTH GRAB TENSILE ELONGATION ASTM D-4632 120 LBS 120 LBS ASTM D-4833 PUNCTURE MULLEN BURST ASTM D-3786 TRAPEZOID TEAR ASTM D-4533 UV RESISTANCE ASTM D-4355 ASTM D-4751 ASTM D-4491 ASTM D-4491 40 US SIEVE 40 GAL/MIN/SQ FT 0.55 SEC -1 APPARENT OPENING SIZE FLOW RATE PERMITTIVITY HI-FL□W SILTSACK® (FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF) TEST METHOD GRAB TENSILE STRENGTH ASTM D-4632 GRAB TENSILE ELONGATION ASTM D-4632 ASTM D-4833 135 LBS 420 PSI 45 LBS ASTM D-3786 ASTM D-4533 MULLEN BURST TRAPEZOID TEAR ASTM D-4355 UV RESISTANCE APPARENT OPENING SIZE FLOW RATE ASTM D-4751 ASTM D-4491 ASTM D-4491 20 US SIEVE 200 GAL/MIN/SQ FT 1.5 SEC -1

DETAIL OF INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE

DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2%



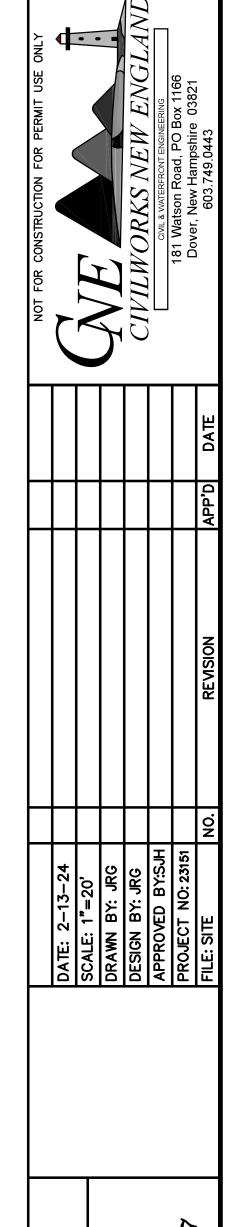


A. GENERAL NOTES:

- 1. A STABILIZED CONSTRUCTION ENTRANCE/EXIT CONSISTS OF A PAD OF STONE AGGREGATE PLACED ON A GEOTEXTILE FILTER FABRIC, LOCATED AT ANY POINT WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE TO AN EXISTING ACCESS ROAD WAY OR OTHER PAVED SURFACE. ITS PURPOSE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES. THIS HELPS PROTECT RECEIVING WATERS FROM SEDIMENT CARRIED BY STORM WATER RUNOFF FROM ROADS
- 2. ONLY CONSTRUCTION TRAFFIC LEAVING THE SITE IS REQUIRED TO USE THE TEMPORARY STABILIZED EXIT. CONSIDER PROVIDING A SEPARATE, UNPROTECTED ENTRANCE FOR TRAFFIC ENTERING THE SITE. THIS WILL INCREASE THE LONGEVITY OF THE STABILIZED EXIT BY ELIMINATING HEAVY LOADS ENTERING THE SITE AND REDUCING THE TOTAL TRAFFIC OVER THE DEVICE.
- 3. LOCATE THE CONSTRUCTION ENTRANCES AND EXITS, A MINIMUM OF 100 FEET FROM INTERSECTIONS. TO LIMIT SEDIMENT LEAVING THE SITE AND TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID ENTRANCES THAT HAVE STEEP GRADES AND ENTRANCES AT CURVES IN ROADS.
- 4. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR MAINTENANCE OF ANY MEASURES USED TO TRAP SEDIMENT.
- B. SPECIFICATIONS (TEMPORARY CONSTRUCTION ENTRANCE/EXITS SHOULD MEET THE FOLLOWING REQUIREMENTS).
- STONE SIZE MINIMUM: USE SHOULD BE 3" CRUSHED STONE.
- THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET.
- THE MINIMUM WIDTH OF THE PAD SHOULD BE 15 FEET OR THE WIDTH OF THE ENTRANCE, WHICHEVER IS GREATER
- 4. THE PAD SHOULD SLOPE AWAY FROM THE EXISTING ROADWAY.
- THE PAD SHOULD BE AT LEAST 6" THICK.
- 6. A GEOTEXTILE FILTER FABRIC SHOULD BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.
- 7. THE PAD SHOULD BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
- 8. NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.
- C. MAINTENANCE REQUIREMENTS (THE ENTRANCE/EXIT SHOULD BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT).
- 1. WHEN THE CONTROL PAD BECOMES INEFFECTIVE, THE STONE SHOULD BE REMOVED ALONG WITH THE COLLECTED SOIL MATERIAL, REGRADED ON SITE, AND STABILIZED. THE ENTRANCE SHOULD THEN BE RECONSTRUCTED.
- 2. THE CONTRACTOR SHOULD SWEEP THE PAVEMENT AT EXITS WHENEVER SOIL MATERIALS ARE TRACKED ONTO THE ADJACENT PAVEMENT OR TRAVELED WAY.
- 3. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WHEEL WASHING IS REQUIRED, IT SHOULD BE CONDUCTED ON AN AREA STABILIZED WITH AGGREGATE, WHICH DRAINS INTO AN APPROVED SEDIMENT-TRAPPING DEVICE. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES OR WATERWAYS.

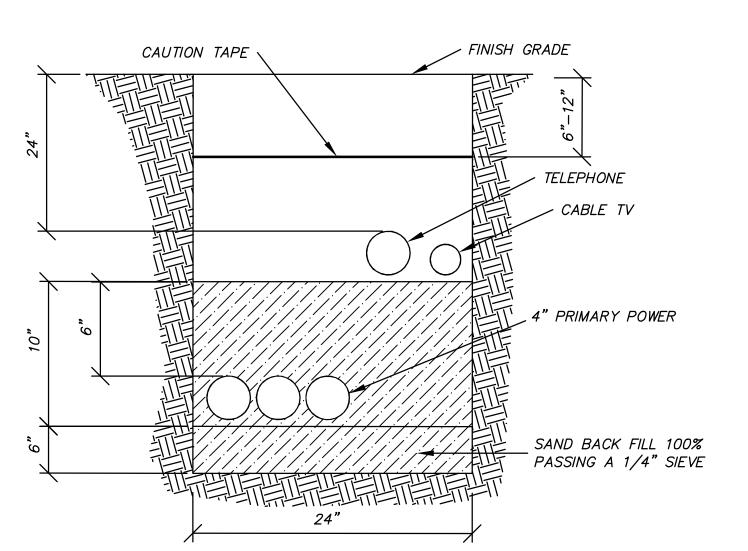
TEMPORARY CONSTRUCTION ENTRANCE/EXIT

NOT TO SCALE



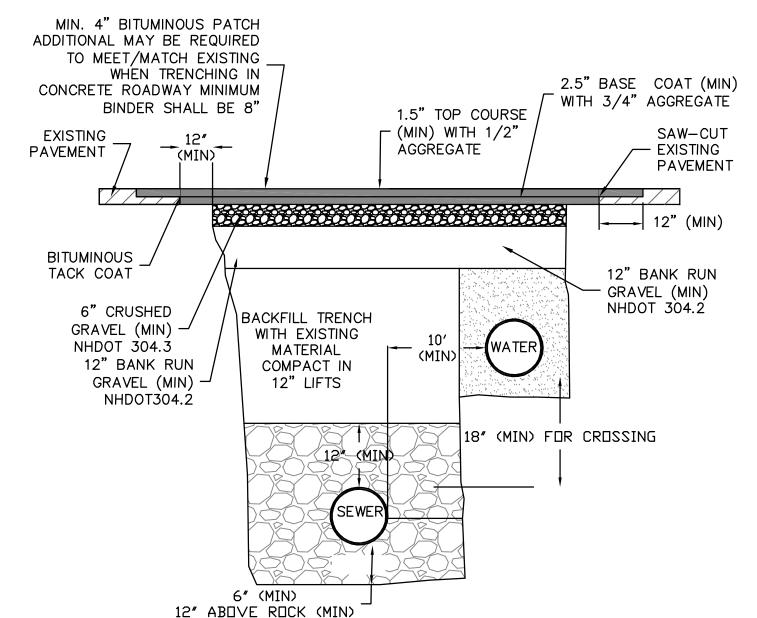
CONTROL

EROSION



- TELEPHONE CONDUIT SHALL BE 3" SCHEDULE 40 PVC. WITH STEEL SWEEPS AT RISER POLE, 90° BENDS AND AT BUILDING.
- LEAVE PULL ROPE IN ALL CONDUITS FOR CABLE INSTALLATION.
- FOR COMPLETE SPECIFICATIONS SEE "PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND CONDUIT SYSTEMS".
- CONTRACTOR SHOULD VERIFY THE NUMBER & SIZE OF CONDUIT WITH THE APPROPRIATE UTILITIES.

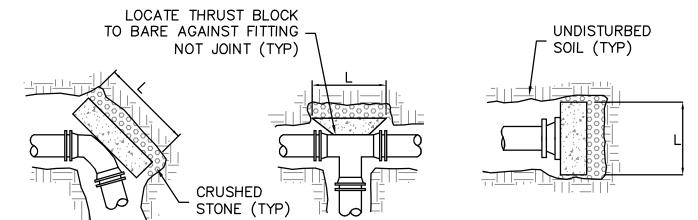
UTILITY TRENCH NOT TO SCALE



- NOTES:

 1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY.
- 2. ALL WORK SHALL COMPLY WITH THE CITY OF DOVER CONSTRUCTION GUIDELINES AND **PROCEDURES**
- 3. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5' (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.

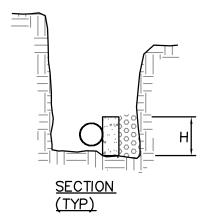
CITY OF DOVER TYPICAL TRENCH DETAIL NOT TO SCALE



<u>PLAN –</u> <u>ELBOW</u>

THRUST BLOCK SCHEDULE
MINIMUM BEARING AREA (SOLIARE FEET)

<u>PLAN - CAP</u>



MINIMUM BEARING AREA (SQUARE FEET)						
	PIPE SIZE					
Nominal Dia. (in)	4	6	8	10	12	16
Pipe Fittings	*	*	5.18	7.96	11.43	20.29
90 Degree Bends	*	4.11	7.33	11.26	16.17	28.69
45 Degree Bends	*	*	*	6.10	8.75	15.53
22-1/2 Degree Bends	*	*	*	*	4.46	7.92
11-1/4 Degree Bends	*	*	*	*	*	*
System Pressure: 125 psi *SEE NOTE 2 Safety Factor: 1.5 Soil Bearing Capacity: 2,000 psf						

- 1. ALL THRUST BLOCKS SHALL BE PRE-CAST CONCRETE UNLESS APPROVED BY THE CITY ENGINEER.
- 2. 2'X2'X2' MINIMUM THRUST BLOCK REQUIRED, ANY BEARING AREA OVER 4SF REQUIRES THRUST BLOCKS, RESTRAINED JOINTS AND CALCULATIONS ASSOCIATED WITH THE JOINT.
- 3. THE MINIMUM BEARING AREAS SHOWN IN THE THRUST BLOCK SCHEDULE ARE BASED ON A SYSTEM PRESSURE OF 125 PSI. IF THE SYSTEM PRESSURE IS ABOVE 125 PSI, INCREASE THE NOTED AREAS PROPORTIONALLY TO THE ACTUAL SYSTEM PRESSURE.
- 4. FOR MINIMUM BEARING AREAS OVER 4 SF, THE LENGTH (L) OF THE BLOCK IS
- APPROXIMATELY TWICE AS LONG AS THE HEIGHT (H). 5. PLACE CRUSHED STONE BEHIND THRUST BLOCK AGAINST UNDISTURBED SOIL.
- 6. PLACE THRUST BLOCK ALONG MAXIMUM LENGTH OF THE FITTING TO MAXIMIZE BEARING
- 7. CONCRETE COMPRESSIVE STRENGTH: 2,000 PSI MINIMUM. 8. USE OF THRUST BLOCKS DOES NOT ELIMINATE THE REQUIREMENT OF OTHER RESTRAINTS OR VICE VERSA.

CITY OF DOVER D-15 THRUST BLOCK DETAIL NOT TO SCALE

1.5" TOP COURSE (MIN) WITH 1/2" AGGREGATE CROSS-COUNTRY PAVED SURFACE BLEND TO MATCH GRADE/SLOPE OF EXISTING PAVEMENT 4" COMPACTED LOAM & SEED -SEE NOTE #7 12" — 12" — SAW CUT EXISTING PAVEMENT 2.5" BASE COURSE (MIN) WITH 3/4" AGGREGATE. WHEN TRENCHING IN CONCRETE ROADWAY SUITABLE MIN. BASE COURSE SHALL BE 8" BACKFILL COMPACTED IN 6"-8" COMPACTED CRUSHED 12" LIFTS - GRAVEL NH DOT 304.3 2" RIGID DETECTABLE METALLIC INSULATION UNDERGROUND TAPE LABELED WHERE COVER IS "WATER" LESS THAN 5' NOTES: TRENCH SHALL BE COMPACTED TO 95% OPTIMUM 12" (MIN) DENSITY FOR EACH MATERIAL. 2. FOR CROSS-COUNTRY CONSTRUCTION 6" CRUSHED GRAVEL OR LOAM & SEED SHALL BE MOUNDED 6" ABOVE THE ORIGINAL GROUND PIPE (O.D.) WATER SURFACE. WHERE TRENCH IS LOCATED ON EXISTING LAWN OR GRAVEL SURFACE, TRENCH SHALL CONFORM TO MATCH ORIGINAL GROUND SURFACE. 12" AB□VE R□CK (MIN) 4. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). SAND BEDDING TRENCH WIDTH
PIPE D.D. + 24" (MIN.) HORIZONTAL DISTANCE MAY BE REDUCED TO 5' NH DOT 304.1 (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS

OR FITTINGS.

DIMENSION

5. BACKFILL MATERIAL SHALL BE THE NATURAL

PEAT, AND ROCKS OVER 6" IN LARGEST

6. PROVIDE MINIMUM 5' OF COVER. ENGINEERING

7. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

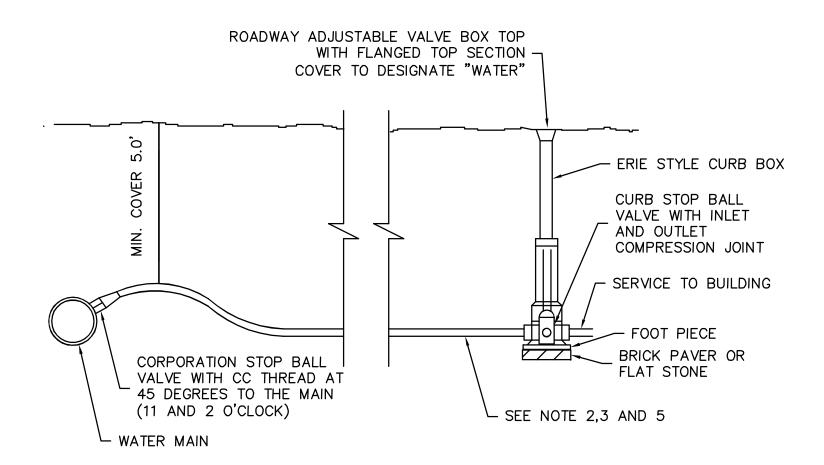
APPROVAL REQUIRED FOR LESS THAN 5' OF

MATERIAL EXCAVATED DURING THE COURSE OF

CONSTRUCTION, BUT SHALL EXCLUDE; DEBRIS,

PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK,

CITY OF DOVER D-4 WATER TRENCH DETAIL NOT TO SCALE



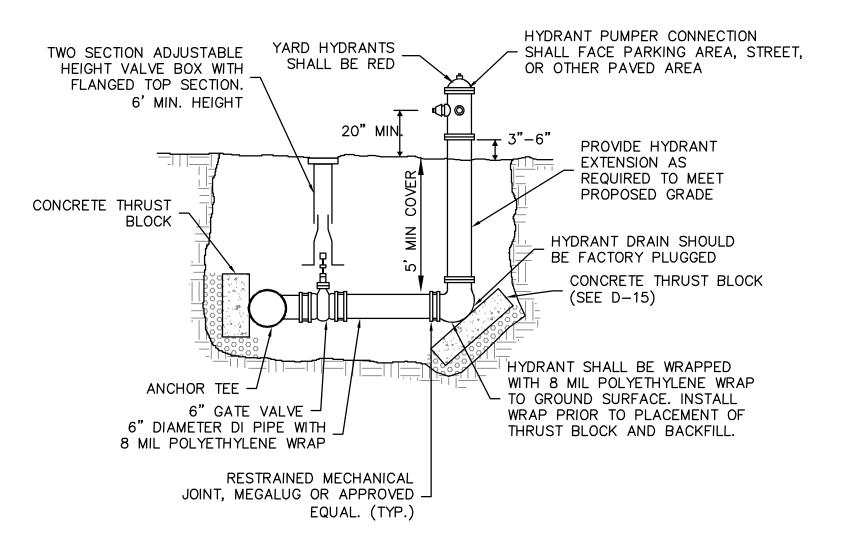
- 1. ALL WATER LINES 4" OR GREATER SHALL BE DUCTILE IRON WITH AN 8 MIL POLYETHYLENE WRAP, INCLUDING TEE AND OTHER CONNECTIONS.
- CURB STOP. 3. SERVICE BETWEEN CURB STOP AND BUILDING MAY BE (BLUE OR BLACK) CTS SDR
- 9 PLASTIC POLYETHYLENE RATED FOR 250 psi.

2. WATER SERVICE LINES SHALL BE COPPER TUBING (TYPE K) BETWEEN MAIN AND

- 4. CAM-LOCK REQUIRED FOR CTS OR IPS, MJ ADAPTER REQUIRED FOR HDPE
- 5. ¾"— COPPER, CTS
- 1"- COPPER, CTS 2"- CTS, HDPE, IPS

CITY OF DOVER D-13WATER SERVICE CONNECTION DETAIL

NOT TO SCALE



NOTES:

- 1. FIRE HYDRANTS SHALL BE FACTORY SEALED EDDY STYLE 2641.
- 2. HYDRANT SHALL BE PAINTED RED WITH EPOXY PAINT AS RECOMMENDED BY THE HYDRANT MANUFACTURER.
- 3. HYDRANT SHALL OPEN LEFT.

CITY OF DOVER D-14 FIRE HYDRANT DETAIL NOT TO SCALE

SHARED DRIVEWAS LOCKE STREET DOVER, NH

ETAILS

5