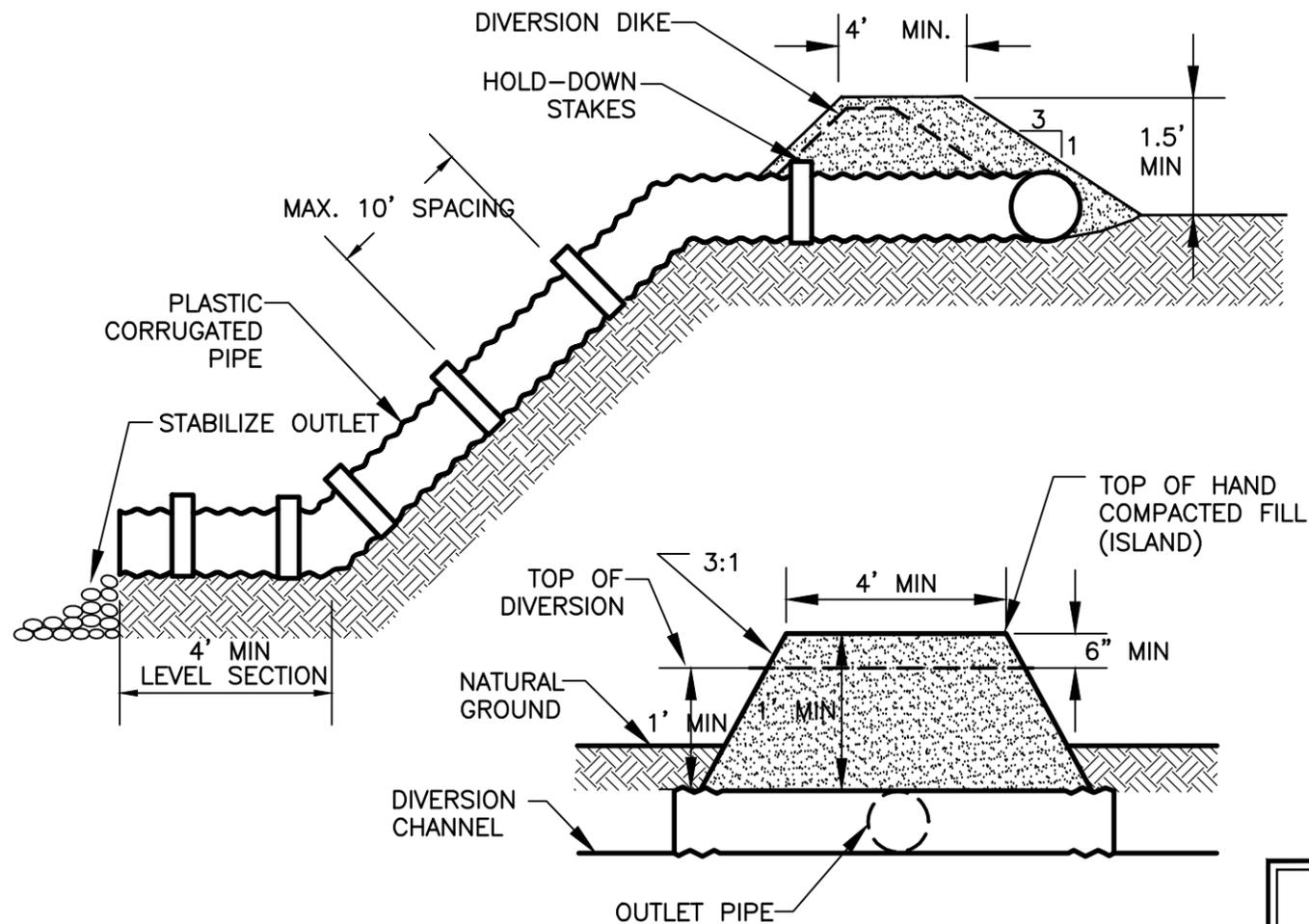


MAXIMUM DRAINAGE AREA PER PIPE (ACRE)	PIPE DIAMETER (INCHES)
.3	10.
.5	12
1.0	18

TABLE
6-14.1



Dn-1 TEMPORARY DOWNDRAIN STRUCTURE

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

TEMPORARY DOWNDRAIN

CONDUIT MATERIAL SHALL BE HEAVY DUTY FLEXIBLE MATERIAL SUCH AS NON-PERFORATED CORRUGATED PLASTIC TUBING OR SPECIALLY DESIGNED FLEXIBLE TUBING. USE REINFORCED, HOLD-DOWN GROMMETS OR STAKES TO ANCHOR THE PIPE AT INTERVALS NOT TO EXCEED 10 FEET WITH THE OUTLET END SECURELY FASTENED IN PLACE. THE PIPE MUST EXTEND BEYOND THE TOE OF THE SLOPE.

CONSTRUCTION SPECIFICATIONS

1. PLACE SLOPE DRAINS ON UNDISTURBED SOIL OR WELL COMPACTED FILL AT LOCATIONS AND ELEVATIONS SHOWN ON THE PLAN.
2. SLIGHTLY SLOPE THE SECTION OF PIPE UNDER THE DIKE TOWARD ITS OUTLET.
3. HAND TAMP THE SOIL UNDER AND AROUND THE ENTRANCE SECTION IN LIFTS NOT TO EXCEED 6 INCHES.
4. ENSURE THAT FILL OVER THE DRAIN AT THE TOP OF THE SLOPE HAS MINIMUM DIMENSIONS OF 1.5 FT. DEPTH, 4 FT. TOP WIDTH, AND 3:1 SIDE SLOPES.
5. ENSURE THAT ALL SLOPE DRAIN CONNECTIONS ARE WATERTIGHT.
6. ENSURE THAT ALL FILL MATERIAL IS WELL-COMPACTED. SECURELY FASTEN THE EXPOSED SECTION OF THE DRAIN WITH GROMMETS OR STAKES SPACED NO MORE THAN 10 FEET APART.
7. PLACE THE DRAIN SLIGHTLY DIAGONALLY ACROSS THE SLOPE, EXTENDING THE DRAIN BEYOND THE TOE OF THE SLOPE. CURVE THE OUTLET UPHILL AND ADEQUATELY PROTECT THE OUTLET FROM EROSION.
8. IF THE DRAIN IS CONVEYING SEDIMENT-LADEN RUNOFF, DIRECT ALL FLOWS INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
9. MAKE THE SETTLED, COMPACTED DIKE RIDGE NO LESS THAN ONE FOOT ABOVE THE TOP OF THE PIPE AT EVERY POINT.
10. IMMEDIATELY STABILIZE ALL DISTURBED AREAS FOLLOWING CONSTRUCTION.

MAINTENANCE

INSPECT THE SLOPE DRAIN AND SUPPORTING DIVERSION AFTER EVERY RAINFALL AND PROMPTLY MAKE NECESSARY REPAIRS. WHEN THE PROTECTED AREA HAS BEEN PERMANENTLY STABILIZED AND THE PERMANENT STORMWATER DISPOSAL SYSTEM IS FULLY FUNCTIONAL, TEMPORARY MEASURES MAY BE REMOVED, MATERIAL DISPOSED OF PROPERLY, AND ALL DISTURBED AREAS STABILIZED APPROPRIATELY.

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

1. THE DRAINAGE AREA FOR EACH DOWNDRAIN, IN ACRES.
2. THE DIAMETER OF EACH DOWNDRAIN, IN INCHES, BASED ON TABLE 6-14.1.
3. THE DIMENSIONS OF THE OUTLET PROTECTION, INCLUDING FLOW RATE, VELOCITY, AND APRON LENGTH, UPSTREAM AND DOWNSTREAM WIDTHS, AVERAGE STONE DIAMETER AND DEPTH.

City of Atlanta



STANDARD DETAILS

TEMPORARY DOWNDRAIN
STRUCTURE

REV.
DATE: SEPT 2011
ORIG. DATE: NOV 2004
SCALE: N.T.S.

DETAIL NO. ER-G_DN001