NOTES:

1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED \( \frac{1}{4} \) ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
3. WRAP THE SILT FENCE AROUND ALL EXISTING FIRE HYDRANTS SO THAT THEY ARE FULLY VISIBLE FROM THE ROADWAY.
4. ALL SILT FENCE MUST HAVE A MINIMUM OF 5' OF CLEARANCE FROM THE FIRE HYDRANT.
5. MAINTENANCE SHALL OCCUR WHEN NECESSARY. SILT FENCE SHALL BE REPLACED EVERY 6 MONTHS AND POSTS SHALL BE INSPECTED TO ENSURE STRUCTURAL INTEGRITY. SILT FENCE SHALL BE INSPECTED WEEKLY AND ALL MAINTENANCE ISSUES SHALL BE CORRECTED AT THAT TIME.
6. SILT FENCE SHOULD BE A MINIMUM OF 5 FEET FROM THE TOE OF SLOPE.

* USE #57 WASHED STONE FOR REPAIR OF SILT FENCE FAILURES, AND FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.

TOWN OF APEX STANDARDS

TEMPORARY SILT FENCE

EFFECTIVE: MAY 5, 2020

400.01

SHEET 1 OF 2
* ALTERNATIVE SILT FENCE TO BE USED AT LOCATIONS WHERE STANDARD IS INADEQUATE, AS DIRECTED BY THE ENGINEER

CHAINLINK CONSTRUCTION FENCE

10' MAX

SILT FENCE OVERLAP FABRIC 6" MIN AT ENDS

FASTENERS 6" BETWEEN (TYP)

TOP RAIL

1 1/2"-2 1/2" DIA GALVANIZED POSTS

TOP RAIL

POST

SILT FENCE EXTENDED INTO TRENCH

SILT FENCE

8"X4" TRENCH EXCAVATED UP SLOPE FROM POLES, BACKFILL AND COMPACT

8"

8"

2'-3'

3'-0"

4' MIN
NOTE:
1. APPLICABLE FOR DRAINAGE AREAS NO MORE THAN 1/4 ACRE.
2. USE AS A REPAIR OF SILT FENCE FAILURES.
3. BURY WIRE FENCE, HARDWARE CLOTH, AND SILT FENCE FABRIC 6 INCHES.
CONCRETE BLOCK CATCH BASIN

#57 WASHED STONE FILTER

SEDIMENT STORAGE ZONE

CULVERT PIPE

FLOW

GALVANIZED HARDWARE CLOTH W/ 3/8" GRID

PERSPECTIVE VIEW

GALVANIZED HARDWARE CLOTH 3/4" X 3/8" GRID

SEDIMENT STORAGE ZONE
(TOTAL BASIN CAPACITY)

FLOOD STORAGE ZONE

FUTURE STORM DRAIN PIPE

FLOW

1.0'

1.5'

SILT FENCE BAFFLES (TYP.)
(SEE STD. # 4.03)

OVER FLOW

FLOW

CONCRETE FOOTING PAD

#57 WASHED STONE FILTER LAID AGAINST HARDWARE CLOTH
(1:1 MAX SLOPE)

CLEAN OUT POINT (3/4 DEPTH SEDIMENT STORAGE ZONE)

SECTION VIEW

NOTES:
1. AT THE END OF THE PROJECT, CATCH BASIN CAN BE RAISED AS NEEDED PLUGGING OPEN COURSE OF BLOCK WITH MORTAR.
2. RISER CAN BE BUILT AS A STANDARD CATCH BASIN/JUNCTION BOX (WITH WEEP HOLES) IN RECEIVING WALL AND BE UTILIZED AS SUCH WHEN PROJECT IS STABLE.
3. IF DRAINAGE AREA IS OVER 5 ACRES THAN THIS STRUCTURE NEEDS TO BE TREATED AS A RISER STRUCTURE AND ALL RELATED INFORMATION NEEDS TO BE SUPPLIED. (TRASH RACK, ELEVATIONS, AND ANTI-FLOATABLE)
STANDARD METAL POSTS 2' IN GROUND

GALVANIZED HARDWARE WIRE EXTENDS TO TOP OF BOX

#57 WASHED STONE PLACED TO A HEIGHT OF 12"-18" MIN. ABOVE TOP OF BOX.
**DESIGN OF SPILLWAYS**

<table>
<thead>
<tr>
<th>DRAINAGE AREA (AC)</th>
<th>MIN. WEIR LENGTH (FT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
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<tr>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>12</td>
</tr>
</tbody>
</table>

**NOTE:**
1. HEIGHT & WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
2. KEY RIP RAP INTO THE DAM FOR STABILIZATION.
NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.

2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLE MUST BE WASHED BEFORE ENTERING PUBLIC ROAD (SEE DETAIL 400.06 SHEET 2 OF 2).

3. IF A PROJECT CONTINUES TO DEPOSIT MUD AND DEBRIS ONTO THE PUBLIC ROAD, THE TOWN WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PARTY.

<table>
<thead>
<tr>
<th>ENTRANCE TYPE</th>
<th>L</th>
<th>W</th>
<th>STONE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL</td>
<td>50'</td>
<td>25'</td>
<td>2-3&quot;</td>
</tr>
<tr>
<td>RESIDENTIAL*</td>
<td>25'</td>
<td>12'</td>
<td>#57</td>
</tr>
</tbody>
</table>

* INDIVIDUAL SINGLE FAMILY
EXISTING PUBLIC ROAD OR OTHER OFF-SITE PAVEMENT

PRESSURIZED WATER SOURCE (CONTINGENT UPON WATER MAIN INSTALLATION)

PROVIDE DRAINAGE AWAY FROM THE WASH RACK TO A SEDIMENT-TRAPPING DEVICE

KEEP A BROOM AND SHOVEL CLOSE TO THE RACK TO CLEAN THE STREET

WASH RACK

12" MINIMUM

20' MINIMUM

IT IS ADVISABLE TO PROVIDE A SEPARATE ENTRANCE TO LIMIT TRAFFIC ACROSS THE RACK AND REDUCE WEAR AND MAINTENANCE

THE LOCATION MUST SLOPE AWAY FROM THE STREET OR STEPS MUST BE TAKEN (GRADING, DIVERSIONS, ETC.) TO PREVENT RUNOFF FLOWING INTO THE STREET

EXAMPLE ACCEPTABLE WASH RACK (OTHER APPROVED METHODS MAY BE UTILIZED)

ONE SECTION OF REINFORCED CONCRETE CATTLEGUARD

3" WASHED STONE UNDER SLATS TO DRAIN WATER AND SEDIMENT AWAY FROM THE RACK

FOUNDATION OF 8" COMPACTED CRUSH AND RUN STONE

GEOTEXTILE FABRIC

SECTION 'A-A'
STEEP CUT OR FILL SLOPE

COMPACTED

2:1 SLOPE (MAX)

18"

2' MIN.

2' MIN.

CROSS SECTION

- STABILIZE DIVERSION DITCH WITH TEMPORARY SEEDING AND EROSION CONTROL NETTING.

UPSLOPE TOE

SIDE SLOPES 2:1 (MAX)

POSITIVE GRADE 1.0% MAX.

2' MIN.

STEEP CUT OR FILL SLOPE

PLAN VIEW
CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2" BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2X4 WOOD STUDS THROUGH BLOCK OPENINGS.

2. CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 3/8" OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.

3. USE CLEAN GRAVEL, 3/4"-1 1/2" IN DIAMETER, PLACED 2" BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. dot #57 WASHED STONE IS RECOMMENDED.
GRAVEL & RIP RAP HORSESHOE INLET BASIN
FOR EXISTING PIPE INVERTS

NOTES:
1. GRAVEL & RIP RAP FILTER BERM BASIN DETAIL IS DESIGNED TO PROTECT EXISTING PIPE INVERTS THAT DRAIN 10 ACRES OR LESS.
2. DIMENSIONS ARE MINIMUM ACCEPTABLE UNLESS OTHERWISE NOTED.
NOTE:
1. ALL PARTIALLY COMPLETED STORM DRAINS SHALL BE PROTECTED AT THE END OF EACH DAY IN ACCORDANCE WITH THESE DETAILS.
**INSTALLATION NOTES:**
1. REFER TO "NORTH CAROLINA DIVISION OF FOREST RESOURCES" LITERATURE, INSTALLATION MAINTENANCE GUIDELINES, & "NORTH CAROLINA FORESTRY BMP MANUAL-2009".
2. USE A BULLDOZER, KNUCKLEBOOM LOADER, OR SKIDDER TO INSTALL & REMOVE DRAGLINE MATS.
3. KEEP HEAVY EQUIPMENT OUT OF STREAM.
4. INSTALL WATER DIVERSION DEVICES (WATER BARS, TURNOUTS, BROAD-BASED DIPS, ETC.) ON BOTH SIDES OF THE MATS.
5. STABILIZE EXPOSED MINERAL SOIL WITH TREE TOPS OR BRUSH DURING MAT INSTALLATION, AND SEEDING/MULCH AFTER MAT REMOVAL.
6. INSTALL MATS TO CREATE A MINIMUM TEN FOOT BRIDGE WIDTH.

**MAINTENANCE NOTES:**
1. KEEP MATS' SURFACE FREE OF MINERAL SOIL AND DEBRIS THAT COULD ENTER STREAM.
2. PERIODICALLY CHECK MAT HARDWARE; RETIGHTEN NUTS & CABLE CLAMPS AS NECESSARY TO MAINTAIN BRIDGE STRENGTH AND INTEGRITY.
3. IMMEDIATELY REMOVE ANY DEBRIS WHICH ENTERS THE STREAM AT THE CROSSING LOCATION.

**REMOVAL NOTES:**
1. CLEAN OFF BRIDGE SURFACE.
2. REMOVE MATS BY USING MAT CABLE LOOP OR SKIDDER GRAPPLE.
3. PERMANENTLY STABILIZE DISTURBED PORTIONS OF STREAM BANK AND APPROACH ROADS WITH PERENNIAL GRASSES/MULCH (OR WETLAND MIX WHEN APPLICABLE).
4. LEAVE APPROPRIATE WATER DIVERSION STRUCTURES IN PLACE ON BOTH SIDES OF STREAM.
TEMPORARY STREAM CROSSING

COARSE AGGREGATE 6" DEEP

2" DIAMETER OF PIPE OR 12"
WHICHEVER IS GREATER

FILTER FABRIC

EARTH FILL COVERED BY
LARGE ANGULAR ROCK

CAPACITY OF PIPE CULVERTS-
BANK FULL FLOW

EARTH FILL COVERED BY
LARGE ANGULAR ROCK

COARSE AGGREGATE

FLOW

25' MIN.

STREAM CHANNEL

TOP OF BANK

25' MIN.

TOP OF BANK
EMERGENCY SPILLWAY CONSTRUCTED OVER UNDISTURBED GROUND AND ARMORED WITH RIP RAP AND FILTER FABRIC

SLOPE DRAIN (TYPICAL OF 2)
POROUS BAFFLES (3 MIN.)

WATER LEVEL DURING STORM
POROUS BAFFLES (3 MIN.)
SLOPE DRAIN
(DETAIL 400.17)

CONCRETE RISER
SKIMMER
(DETAIL 400.14)

1' MIN. FREEBOARD
EMERGENCY SPILLWAY ELEV.
MINIMUM FORESLOPE 2:1
MINIMUM BACKSLOPE 3:1

EARTH DAM
RCP DISCHARGE PIPE
OUTLET PROTECTION
(DETAIL 400.18)

GATE VALVE OR ORIFICE ANTI-FLOATATION BLOCK

ANTI-SEEP COLLAR
CROSS SECTION

NOTES:
1. SEDIMENT STORAGE: 3,600 CF/DISTURBED ACRE
2. SURFACE AREA BASED ON: Q25
3. INSTALL SEDIMENT CLEANOUT ELEVATION STAKES.
4. BAFFLES SHALL INCLUDE 700 G/SM COIR EROSION BLANKET.
5. FLOW ENTERING THE BASIN MUST BE DIRECTED TO AVOID EROSION ALONG THE SLOPE AND SCOUR IN THE BASIN. APPROPRIATELY SIZED SLOPE DRAINS, PER THE STANDARD DETAIL, ARE RECOMMENDED.

TOWN OF APEX STANDARDS
EFFECTIVE: JANUARY 20, 2015

RISER BARREL SEDIMENT BASIN

STD. NO. 400.12
SHEET 1 OF 1
TEMPORARY SKIMMER SEDIMENT BASIN

DESIGN INFORMATION TO BE PROVIDED BY THE ENGINEER ON THE CONSTRUCTION DRAWINGS

<table>
<thead>
<tr>
<th>TOP OF DAM ELEVATION</th>
<th>SLOPE DRAIN (DETAIL 400.17)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASIN BOTTOM ELEVATION</td>
<td>FLOW</td>
</tr>
<tr>
<td>BASIN BOTTOM LENGTH</td>
<td>FLOW</td>
</tr>
<tr>
<td>BASIN BOTTOM WIDTH</td>
<td>BAFFLES WITH METAL POSTS, WOVEN WIRE FABRIC BACKING, &amp; COIR FIBER NETTING</td>
</tr>
<tr>
<td>SKIMMER SIZE</td>
<td>BOTTOM ANCHORED WITH STAPLES</td>
</tr>
<tr>
<td>ORIFICE SIZE</td>
<td>SKIMMER (DETAIL 400.14) WITH RETRIEVAL ROPE</td>
</tr>
</tbody>
</table>

TOWN OF APEX STANDARDS

EFFECTIVE: JANUARY 20, 2015

STD. NO. 400.13

SHEET 1 OF 2
NOTES:
1. USE FOR DRAINAGE AREAS NOT EXCEEDING 10 ACRES.
2. EARTH BERM SHALL BE STABILIZED WITH VEGETATION ACCORDING TO TOWN SPECIFICATIONS.
3. INSPECT TEMPORARY SEDIMENT BASINS AND EMPTY SKimmer OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE BASIN TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE BASIN. PLACE THE SEDIMENT THAT HAS BEEN REMOVED IN A DESIGNATED DISPOSAL AREA. REPAIR AND/OR REPLACE BAFFLES.
4. CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.0 FOOT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.
5. STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE BASIN IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.
6. FLOW ENTERING THE BASIN MUST BE DIRECTED TO AVOID EROSION ALONG THE SLOPE AND SCOUR IN THE BASIN. APPROPRIATELY SIZED SLOPE DRAINS, PER THE STANDARD DETAIL, ARE RECOMMENDED.
7. SEDIMENT STORAGE: 3,600 CF/DISTURBED ACRE
8. SURFACE AREA BASED ON: Q25
9. INSTALL SEDIMENT CLEANOUT ELEVATION STAKES.
10. BAFFLES SHALL INCLUDE 700 G/SM COIR EROSION BLANKET.
NOTE:

1. TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS AND WHEREVER STORMWATER OUTFALLS OVERLAP SEWER EASEMENTS.

2. STONE SIZE, TRENCH DEPTH, AND OVERALL WIDTH PER DESIGN.

3:1 MAXIMUM  4' MINIMUM  3:1 MAXIMUM

FILTER FABRIC OR GRAVEL BEDDING
NOTES:
1. TEMPORARY SILT DITCH TO BE USED WHERE TOE OF FILL SLOPES EXCEEDS 3 FEET IN VERTICAL HEIGHT AND ALONG STREAMS TO INTERCEPT FLOW AND/OR DIVERT TO A CONTROLLED OUTLET.
2. SILT SHALL BE REMOVED WHEN SILT DITCH IS ONE-HALF FULL.
3. DITCH SHALL BE RECONSTRUCTED WHEN DAMAGED BY EQUIPMENT OR COVERED BY FILL.

CROSS SECTIONAL VIEW

WASTE MATERIAL-COMPACT, SEED & MULCH AFTER CONSTRUCTION OF DITCH
NOTES:
1. CONSTRUCT AN EARTHEN DIVERSION WITH A DIKE RIDGE TO DIRECT SURFACE RUNOFF INTO THE TEMPORARY SLOPE DRAIN.
2. MAKE THE HEIGHT OF THE RIDGE OVER THE DRAIN CONDUIT A MINIMUM OF 1.5 FEET AND AT LEAST 6 INCHES HIGHER THAN THE ADJOINING RIDGE ON EITHER SIDE.
3. THE LOWEST POINT OF THE DIVERSION RIDGE SHOULD BE A MINIMUM OF 1 FOOT ABOVE THE TOP OF THE DRAIN TO ALLOW THE DESIGN FLOW TO FREELY ENTER THE PIPE.
4. PROTECT THE OUTLET OF THE SLOPE DRAIN FROM EROSION.
5. MINIMUM PIPE DIAMETER = 10-INCH PIPE
NOTES:

1. L = THE LENGTH OF THE RIPRAP APRON
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 12 INCHES
3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.
4. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO 6 INCHES ABOVE THE MAXIMUM TAILWATER DEPTH OR THE TOP OF THE BANK, WHICHEVER IS LESS.
GENERAL NOTES:
1. DO NOT DISCHARGE CONCRETE OR CEMENT SLURRY FROM THE SITE.
2. THE CONCRETE WASHOUT FACILITY SHOULD BE LOCATED A MINIMUM OF 50’ FROM STORM DRAIN INLETS, BUFFERS, OR WATERCOURSES.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30’ OF THE FACILITY.
4. THE ACTUAL LAYOUT CAN BE DETERMINED IN THE FIELD USING EITHER THE ABOVE GRADE OR BELOW GRADE CONSTRUCTION OPTION.
5. THE CONCRETE WASHOUT FACILITY SHOULD BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT SIZE AND QUANTITY TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY THE WASHOUT OPERATION.
6. THE PERIMETER OF THE 10 MIL LINER MUST BE HELD IN PLACE WITH SAND BAGS OR STEEL STAPLES.
7. ONCE CONCRETE WASTES ARE WASHED AND ALLOWED TO HARDEN THE CONCRETE SHOULD BE BROKEN UP, REMOVED AND DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS. DISPOSE OF HARDENED CONCRETE ONCE THE WASHOUT FACILITY IS 75% FULL.
8. ONCE THE FACILITY IS NO LONGER NEEDED ALL MATERIALS SHALL BE REMOVED AND THE EXISTING GRADES SHALL BE RESTORED.
9. STORMWATER ACCUMULATED WITHIN THE WASHOUT MAY NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM OR RECEIVING SURFACE WATERS.
1) Use a minimum 12 inch diameter excelsior wattle.
2) Use 24 inch long wooden stakes with a 2"x2" nominal cross section.
4) Install wattle(s) to a height on slope so flow will not wash around wattle and scour slopes, or as directed.
5) Install a minimum of two upslope stakes and four downslope stakes at an angle to wedge wattle to ground at bottom.
6) Provide staples made of 0.125 inch diameter steel wire formed into a U-shape not less than 12 inches in length.
7) Install staples approximately every 1 linear foot on both sides of wattle and at each end to secure it to the soil.
8) After installation of staples, chink any gaps between wattle and ground with matting.
SECTION A-A

SEDIMENT FILTER BAG GENERAL NOTES:

1. CONTRACTOR SHALL EXERCISE CAUTION NOT TO BURST OR DAMAGE THE SEDIMENT FILTER BAG WHEN PUMPING.

2. THE LENGTH AND WIDTH OF THE TEMPORARY SEDIMENT BAG SHOWN ON THIS DRAWING MAY VARY PER VENDOR SPECIFICATIONS. THE MINIMUM “FOOTPRINT” OF THE BAG SHALL BE 10' x 15' FEET.

3. SEDIMENT FILTER BAGS SHALL BE EQUIPPED WITH A SEWN-IN SLEEVE OF SUFFICIENT SIZE TO ACCEPT A MINIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE DISCHARGE HOSE SHOULD BE EXTENDED INTO THIS SLEEVE A MINIMUM OF 6 INCHES AND BE TIGHTLY SECURED WITH A HOSE CLAMP OR OTHER SUITABLE MEANS TO PREVENT LEAKAGE. HOSE CONNECTION THROUGH A SLIT IN THE BAG WILL NOT BE ACCEPTABLE.

4. THE PUMP DISCHARGE HOSE CONNECTION SLEEVE SHALL BE SECURELY TIED OFF DURING DISPOSAL OF THE SEDIMENT FILTER BAG IN ORDER TO PREVENT LEAKAGE OF COLLECTED SEDIMENTS.

5. SEDIMENT FILTER BAG SHALL BE MAINTAINED AND REPLACED WHEN ONE HALF FULL OF SEDIMENT OR IN ACCORDANCE WITH THE MANUFACTURER’S RECOMMENDATIONS.
TOWN OF APEX
STANDARDS

TEMPORARY PUMP AROUND

EFFECTIVE: MAY 5, 2020

TEMPORARY PUMP AROUND SEQUENCE
1. SET UP PUMP WITH SUCTION AND DISCHARGE HOSE.
2. INSTALL UPSTREAM SANDBAG DAM.
3. INSTALL DOWNSTREAM SANDBAG DAM.
4. THE PUMP MUST RUN CONTINUOUSLY WHILE WORKING IN THE STREAM.
5. STREAMBANKS MUST BE STABILIZED AT THE END OF EACH DAY.

NOTES:
1. SANDBAG DIKES SHALL BE SITUATED AT THE UPSTREAM AND DOWNSTREAM ENDS OF THE WORK AREA, AND STREAM FLOW SHALL BE PUMPED AROUND THE WORK AREA. THE PUMP SHOULD DISCHARGE ONTO A STABLE VELOCITY DISSIPATER CONSTRUCTED OF RIPRAP OR SANDBAGS.
2. WATER FROM THE WORK AREA SHALL BE PUMPED TO A SEDIMENT FILTERING MEASURE SUCH AS A SEDIMENT BAG OR OTHER APPROVED DEVICE. THE MEASURE SHALL BE LOCATED SUCH THAT THE WATER DRAINS BACK INTO THE CHANNEL BELOW THE DOWNSTREAM SANDBAG DIKE WITHOUT CAUSING FURTHER EROSION BETWEEN THE SEDIMENT FILTER BAG AND THE STREAMBANK.