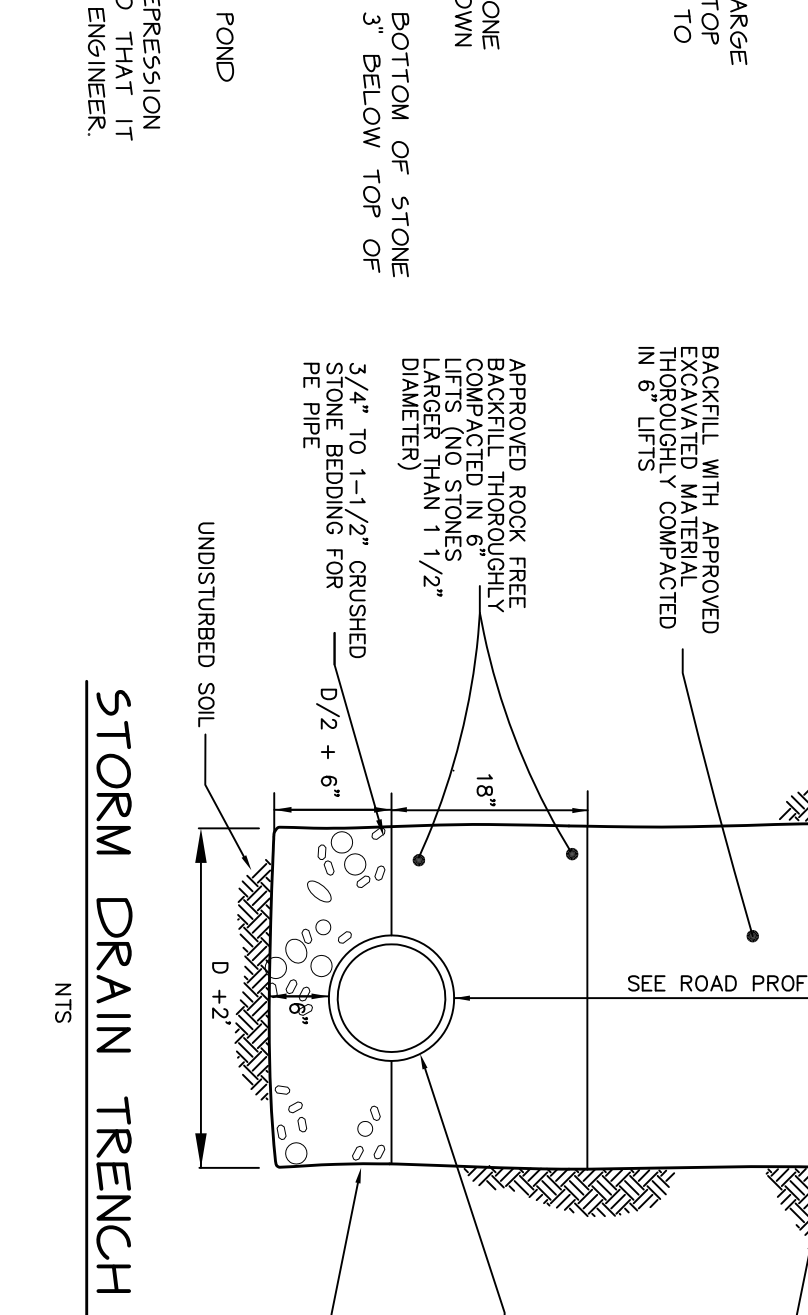
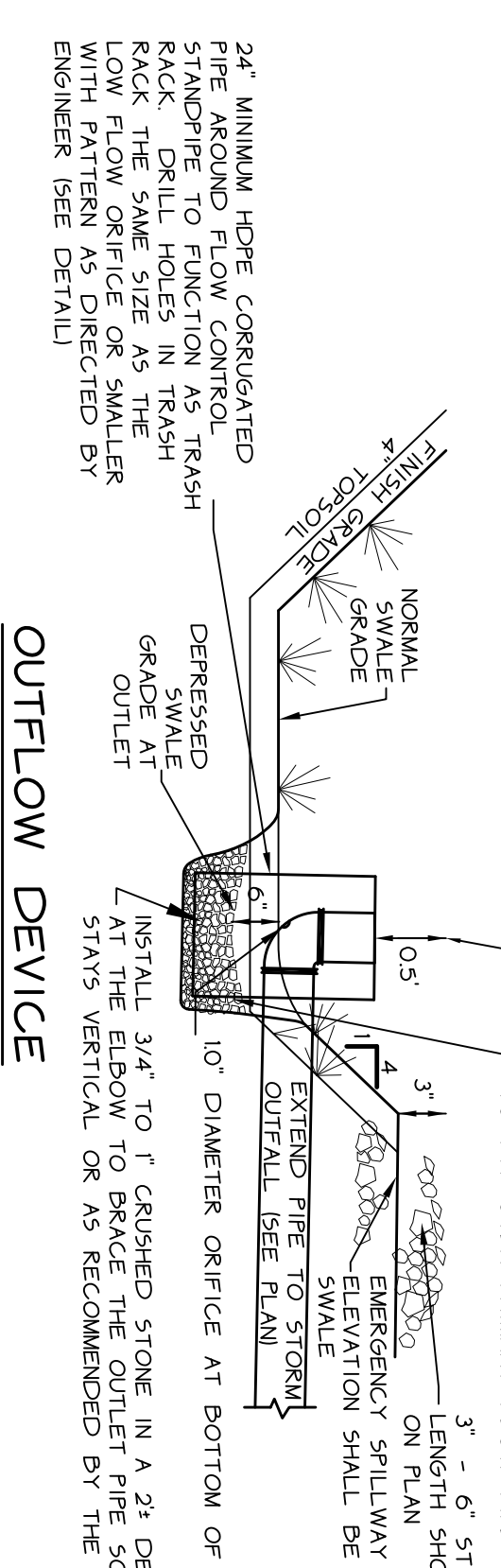


STORM SYSTEM MAINTENANCE

- MAINTENANCE PLAN**
- SYSTEM MAINTENANCE IS IMPORTANT FOR TREATMENT AND CONTROL OF STORM RUNOFF FROM THE URBANIZED SURFACES, ROAD, PARKING AND WALKWAYS. THE FOLLOWING ELEMENTS FORM THE MINIMUM REQUIREMENTS:
1. THE OWNER OR REPRESENTATIVE SHALL PERFORM INSPECTIONS BI-ANNUALLY AND FOLLOWING SIGNIFICANT LARGE STORM EVENTS. THE FOLLOWING ITEMS SHALL BE REVIEWED: CONDITION OF THE VEGETATION, CONDITION OF THE CATCH SURFACES, DEPTH OF ACCUMULATED SEDIMENT (IF ANY), THE PRESENCE OF ROOTS (IF ANY), CONDITION OF THE STORM PIPES, CONDITION OF THE INLETS AND OUTLETS, ANY OBSERVABLE DEGRADATION OF THE STORM SYSTEM SHALL BE NOTED.
 2. THE OWNER OR REPRESENTATIVE SHALL COMPLETE REPAIR OF ANY ITEMS, AS REQUIRED TO MAINTAIN OPTIMAL SYSTEM OPERATION. AT A MINIMUM, THE FOLLOWING ITEMS SHALL BE INCLUDED:
 - A. ANY EROSION GULLIES 6 INCHES OR DEEPER SHALL BE FILLED AND VEGETATION ESTABLISHED IN THE DISTURBED AREA.
 - B. SEDIMENT ACCUMULATED TO A DEPTH OF MORE THAN 6 INCHES IN THE ROAD DITCHES SHALL BE REMOVED AND ESTABLISHED IN ALL DISTURBED AREAS.
 - C. VEGETATION SHALL BE ESTABLISHED AS NEEDED IN AREAS OF BARE SOIL. THIS IS PARTICULARLY IMPORTANT IN FLOW AREAS WHERE VEGETATION PROVIDES SEDIMENT REMOVAL.
 - D. SILT SOCKS SHALL BE USED IF NEEDED TO PRESENT EROSION AND AID IN THE ESTABLISHMENT OF VEGETATION. THESE TEMPORARY MEASURES SHALL BE REMOVED AFTER THE SITE IS STABILIZED AND THE RISK OF EROSION IS REDUCED.
 - E. THE GRASSSED AREAS SHALL BE MOWED AS NEEDED TO PREVENT THE ESTABLISHMENT OF WOODY VEGETATION.

IMPORTANT NOTE: MOST OUTFLOW DEVICES WORK BEST IF THE FLOW OF WATER THROUGH THE DOWNHILL PORTION OF THE HORIZONTAL PORTION OF THE OUTFLOW PIPE HAS THE PROPER COVER AND THE ELBOW SHALL BE PLACED LOW ENOUGH TO ENSURE PROPER DRAINAGE BY THE LOW FLOW ORIFICE.



APPROVED ROCK FINE COMPACTED IN 6" LARGER THAN 1 1/2" DIAMETER)

3/4" TO 1-1/2" CRUSHED STONE BEDDING FOR PIPE

UNDISTURBED SOIL

FINISH GRADE

SEE ROAD PROFILE

18"

10" IS OUTSIDE DIAMETER (9" PIPE)

ALL TRENCHES SHALL BE ENTIRELY FREE OF WATER AND READY FOR BACKFILLING

BACKFILL WITH APPROVED EXCAVATED MATERIAL COMPACTED IN 6" LIFTS

CUT-U-SHADE AROUND DEBRIS/TWASH BACK OUTER PIPE TO FIT OVER PRIMARY FLOW PIPE

3" - 6" STONE LENGTH SHOWN ON PLAN

EMERGENCY SPILLWAY BOTTOM OF STONE OUTFLOW PIPE TO STORM DRAIN

10" DIAMETER ORIFICE AT BOTTOM OF POND

INSTALL 3/4" TO 1" CRUSHED STONE IN A 2" DEPRESSION AT THE ELBOW TO BRACE THE ORIFICE PIPE TO THANE IT STAYS VERTICAL OR AS RECOMMENDED BY THE ENGINEER (SEE DETAIL)

LOW FLOW ORIFICE OR SMALLER RACK THE SAME SIZE AS THE 5/8" DRILL HOLES IN TRASH PIPE AROUND FLOW CORRUGATED 24" MINIMUM HDPE CORRUGATED PIPE

ENGINEER (SEE DETAIL)

Owner/Applicant

ROBERT AND JOY REAP
 PO BOX 442
 RICHMOND, VT 05477

LEGEND

- PROJECT BOUNDARY
- OTHER PROPERTY LINE
- SETBACK
- ZONING DISTRICT BOUNDARY
- PROPOSED LOT LINE
- SIDELINE OF EASEMENT
- Contour Line - Major
- Contour Line - Minor
- SIDELINE OF EASEMENT
- EDGE OF WOODS

GRAPHIC SCALE

(IN FEET)

1 inch = 50 ft.

RECORD DRAWING

DATE: 05-20-17

PROJECT: 201414

ROBERT & JOY REAP

GRADING & STORM MANAGEMENT PLAN

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