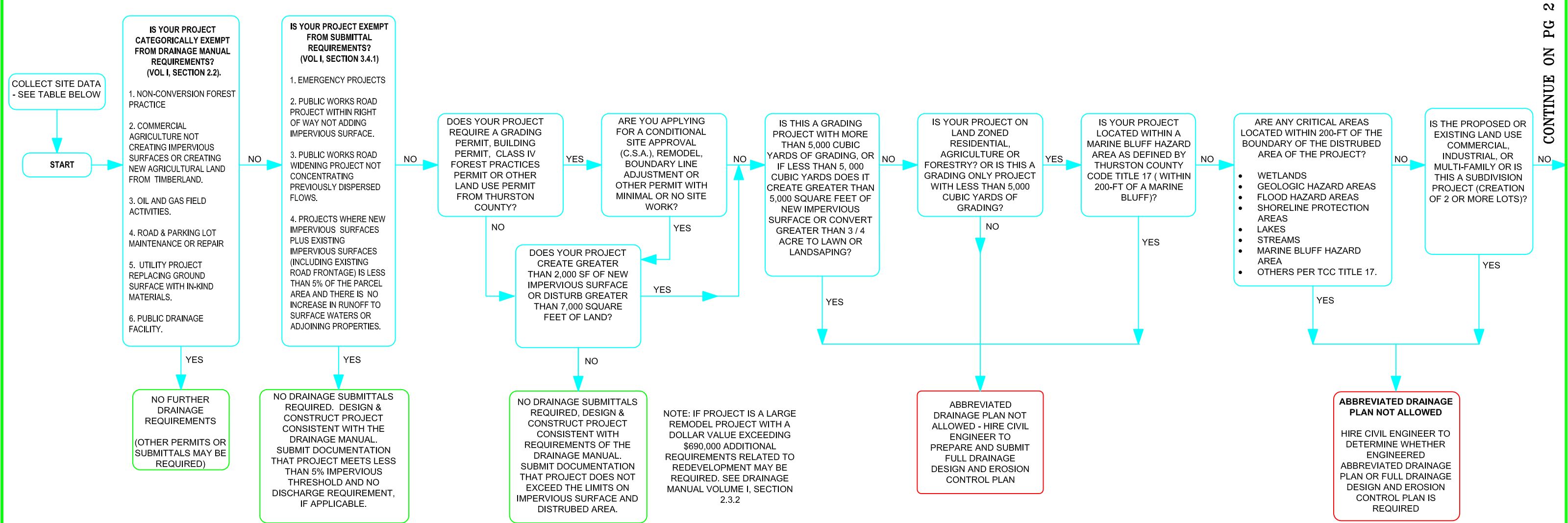


DECISION FLOW CHART – CAN I SUBMIT AN ABBREVIATED DRAINAGE PLAN OR DO I NEED TO HIRE A CIVIL ENGINEER?



NOTES:

1. CALCULATIONS OF NEW IMPERVIOUS AREA, LAND DISTURBING ACTIVITY AND CONVERSION OF NATIVE VEGETATION TO LAWN OR LANDSCAPE SHALL INCLUDE ALL PERMITS ISSUED FOR THE PROPERTY IN THE PREVIOUS 5 YEARS FROM THE DATE OF APPLICATION SUBMITTAL.
2. IMPERVIOUS SURFACES INCLUDE ALL SURFACES THAT PREVENT OR RETARD THE ENTRY OF WATER INTO THE SOIL MANTLE INCLUDING ROOF TOPS, WALKWAYS, PATIOS, DRIVEWAYS, PARKING AREAS, CONCRETE OR ASPHALT PAVING, GRAVEL ROADS, PACKED EARTHEN MATERIALS AND OILED, MACADAM OR OTHER SURFACES THAT SIMILARLY IMPEDE THE NATURAL INFILTRATION OF STORMWATER.
3. REPLACED IMPERVIOUS MEANS FOR STRUCTURES THE REMOVAL AND REPLACEMENT OF ANY EXTERIOR IMPERVIOUS SURFACES OR FOUNDATION. FOR OTHER IMPERVIOUS SURFACES, THE REMOVAL DOWN TO BARE SOIL OR BASE COURSE AND REPLACEMENT.
4. LAND DISTURBING ACTIVITY MEANS ANY ACTIVITY THAT RESULTS IN THE MOVEMENT OF EARTH, OR A CHANGE IN EXISTING SOIL COVER. LAND DISTURBING ACTIVITIES INCLUDE LOGGING, CLEARING, GRADING, FILLING AND EXCAVATION.
5. COMMERCIAL AGRICULTURE INCLUDES ACTIVITIES CONDUCTED ON LANDS DEFINED IN RCW 84.34.020(2) AND ACTIVITIES INVOLVED IN THE PRODUCTION OF CROPS OR LIVESTOCK FOR WHOLESALE TRADE. AN ACTIVITY CEASES TO BE COMMERCIAL AGRICULTURE WHEN THE LAND HAS LAIN IDLE FOR MORE THAN FIVE (5) YEARS.
6. IMPERVIOUS AND DISTURBED AREA CALCULATIONS SHALL INCLUDE ANY EXISTING PUBLIC ROADWAY FRONTAGE AND FRONTAGE IMPROVMENTS. (Note 8).
7. RURAL AREA MEANS AN AREA OUTSIDE OF AN URBAN GROWTH BOUNDARY AND OUTSIDE OF THE NPDES STORMWATER PHASE II PERMIT BOUNDARY FOR THURSTON COUNTY.
8. WHERE ROADWAY FRONTAGE AREA IS INCLUDED IN AREA CALCULATIONS, THE ROADWAY FRONTAGE SHALL INCLUDE THE AREA ENCOMPASPED BY A LINE EXTENDED FROM EACH PROPERTY CORNER PERPENDICULAR TO THE ROADWAY CENTERLINE. THIS AREA SHALL BE ADDED TO THE PARCEL AREA WHEN CALCULATING PERCENTAGES OF LAND DISTURBANCE AND IMPERVIOUS AREA.

PROJECT DATA		
1. NRCS SOIL TYPE (A,B,C,or D) (See Volume III, Appendix B, Table B.5)		
2. PROJECT AREA (LIMITS OF DISTURBANCE)	(Acres)	
3. NEW IMPERVIOUS SURFACE AREA (Note 2)	(Square Feet)	
4. REPLACED IMPERVIOUS SURFACE AREA (Note 2)	(Square Feet)	
5. EXISTING IMPERVIOUS SURFACE AREA	(Square Feet)	
6. AREA OF NATIVE VEGETATION CONVERTED TO LAWN OR LANDSCAPE (Acres)		
7. PARCEL AREA	(Acres)	
8. SOURCE OF SITE TOPOGRAPHY (Geodata, Survey, USGS, Other)		
9. CRITICAL AREAS WITHIN 200' OF PROJECT	(Yes or No)	
10. GRADING QUANTITIES	(Cubic Yards)	
9. ZONING & EXISTING / PROPOSED LAND USE.		
10. AREA OF PUBLIC ROAD FRONTAGE (Note 8)	(Acres)	
11. IMPERVIOUS AREA OF ROAD FRONTAGE	(Square Feet)	
12. OTHER INFO:		

Thurston County Water Resources Division 10/13/2009



DECISION FLOW CHART – CAN I SUBMIT AN ABBREVIATED DRAINAGE PLAN
OR DO I NEED TO HIRE A CIVIL ENGINEER?

CONTINUED FROM PG 1

IS THIS A SINGLE FAMILY RESIDENTIAL OR DUPLEX PROJECT ON A SINGLE LOT WITHIN A DEVELOPMENT THAT HAS A FUNCTIONING DRAINAGE SYSTEM SIZED TO ACCOMMODATE THE LOT RUNOFF?

NO

YES

SUBMIT ABBREVIATED DRAINAGE PLAN

CHECK TO SEE IF A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED (SHORT FORM OR FULL). SEE SECTION 3.6 OF VOLUME I.

NO

IS THE PARCEL LESS THAN 1-ACRE IN SIZE AND PREDOMINATELY TYPE C OR D SOILS OR LESS THAN 1- ACRE IN SIZE WITH AN AVERAGE SLOPE GREATER THAN 10% OR ANY SLOPES GREATER THAN 15% WITH A 10-FT OR GREATER HEIGHT?

YES

NO

IS THE PROJECT LOCATED IN AN AREA WITH HISTORICAL DRAINAGE PROBLEMS, I.E. FLOODING, EROSION, WATER QUALITY? (CONSULT WITH TH. CO. WATER RESOURCES DIVISION - THIS MAY NOT BE ABLE TO BE DETERMINED WITHOUT A PRELIMINARY SUBMITTAL.)

YES

NO

IS THIS A GRADING ONLY PROJECT AND DOES THE GRADING ON THE PROJECT EXCEED 500 CUBIC YARDS OR IF LESS THAN 500 CUBIC YARDS DOES IT CREATE GREATER THAN 2,000 SQUARE FEET OF NEW IMPERVIOUS SURFACE OR DISTURB GREATER THAN 7,000 SQUARE FEET OF LAND AREA.

YES

NO

IS THE PROJECT ON A SINGLE LOT AND LESS THAN 2,000 SQUARE FEET OF NEW IMPERVIOUS SURFACE AREA IS CREATED AND LESS THAN 7,000 SQUARE FEET OF LAND DISTURBING ACTIVITY OCCURS?

YES

SUBMIT ABBREVIATED DRAINAGE PLAN

MANAGE STORMWATER DURING CONSTRUCTION USING APPROPRIATE MEASURES
NO CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN REQUIRED.

NO

DOES THE PROJECT CONVERT LESS THAN 3 / 4 ACRE OF NATIVE VEGETATION TO LAWN OR LANDSCAPE OR CONVERT LESS THAN 2.5 ACRES OF NATIVE VEGETATION TO PASTURE OR LESS THAN 2.5 ACRES OF TIMBERLAND TO AGRICULTURE WITH NO INCREASE IN IMPERVIOUS SURFACE?

YES

SUBMIT ABBREVIATED DRAINAGE PLAN

CHECK TO SEE IF A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED (SHORT FORM OR FULL). SEE SECTION 3.6 OF VOLUME I.

NO

IS THE PROJECT ON A SINGLE LOT WITH 85% OR MORE OF THE LOT AREA CLASSIFIED AS TYPE A/B SOILS (OUTWASH) AND LESS THAN 5,000 SF OF NEW IMPERVIOUS SURFACE IS CREATED?

YES

NO

CONTINUE BELOW

CONTINUED FROM ABOVE

NO

IS THE PROJECT ON A PARCEL GREATER THAN 1-ACRE IN A RURAL AREA (Note 7) WHERE AT LEAST 85% OF THE PARCEL AREA CAN BE CLASSIFIED AS TYPE A/B (OUTWASH) SOILS AND NEW, REPLACED AND EXISTING IMPERVIOUS SURFACES (INCLUDING ANY PUBLIC ROAD FRONTAGE - Note 8) ARE LESS THAN 10% OF THE SITE AREA AND TOTAL NON-NATIVE PERVIOUS PLUS IMPERVIOUS SURFACES ARE LESS THAN 35% OF THE SITE AND NO SUBSTANTIAL (>0.1 CFS*) INCREASE IN RUNOFF OR SEDIMENT DISCHARGES TO ADJOINING PROPERTY OR TO WATERS OF THE UNITED STATES OCCUR AS A RESULT OF THE PROJECT?

YES

*CFS = Cubic Feet Per Second

SUBMIT ABBREVIATED DRAINAGE PLAN

CHECK TO SEE IF A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED (SHORT FORM OR FULL). SEE SECTION 3.6 OF VOLUME I.

NO

IS THE PROJECT ON A PARCEL GREATER THAN 2.5-ACRES IN A RURAL AREA (Note 7) AND NEW, REPLACED AND EXISTING IMPERVIOUS SURFACES (INCLUDING ANY PUBLIC ROAD FRONTAGE - Note 8) ARE LESS THAN 10% OF THE SITE AREA AND TOTAL NON-NATIVE PERVIOUS PLUS IMPERVIOUS SURFACES ARE LESS THAN 35% OF THE SITE AND NO SUBSTANTIAL (>0.1 CFS*) INCREASE IN RUNOFF OR SEDIMENT DISCHARGES TO ADJOINING PROPERTY OR TO WATERS OF THE UNITED STATES OCCUR AS A RESULT OF THE PROJECT?

YES

NO

IS THE PROJECT CONSTRUCTION OF A SINGLE FAMILY RESIDENCE OR DUPLEX ON A SINGLE LOT?

YES

HIRE CIVIL ENGINEER TO PREPARE ENGINEERED ABBREVIATED DRAINAGE PLAN

CHECK TO SEE IF A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED (SHORT FORM OR FULL). SEE SECTION 3.6 OF VOLUME I.

NO

ABBREVIATED DRAINAGE PLAN NOT ALLOWED

HIRE CIVIL ENGINEER TO DETERMINE WHETHER ENGINEERED ABBREVIATED DRAINAGE PLAN OR FULL DRAINAGE DESIGN AND EROSION CONTROL PLAN IS REQUIRED

Thurston County Water Resources Division 10/13/2009

