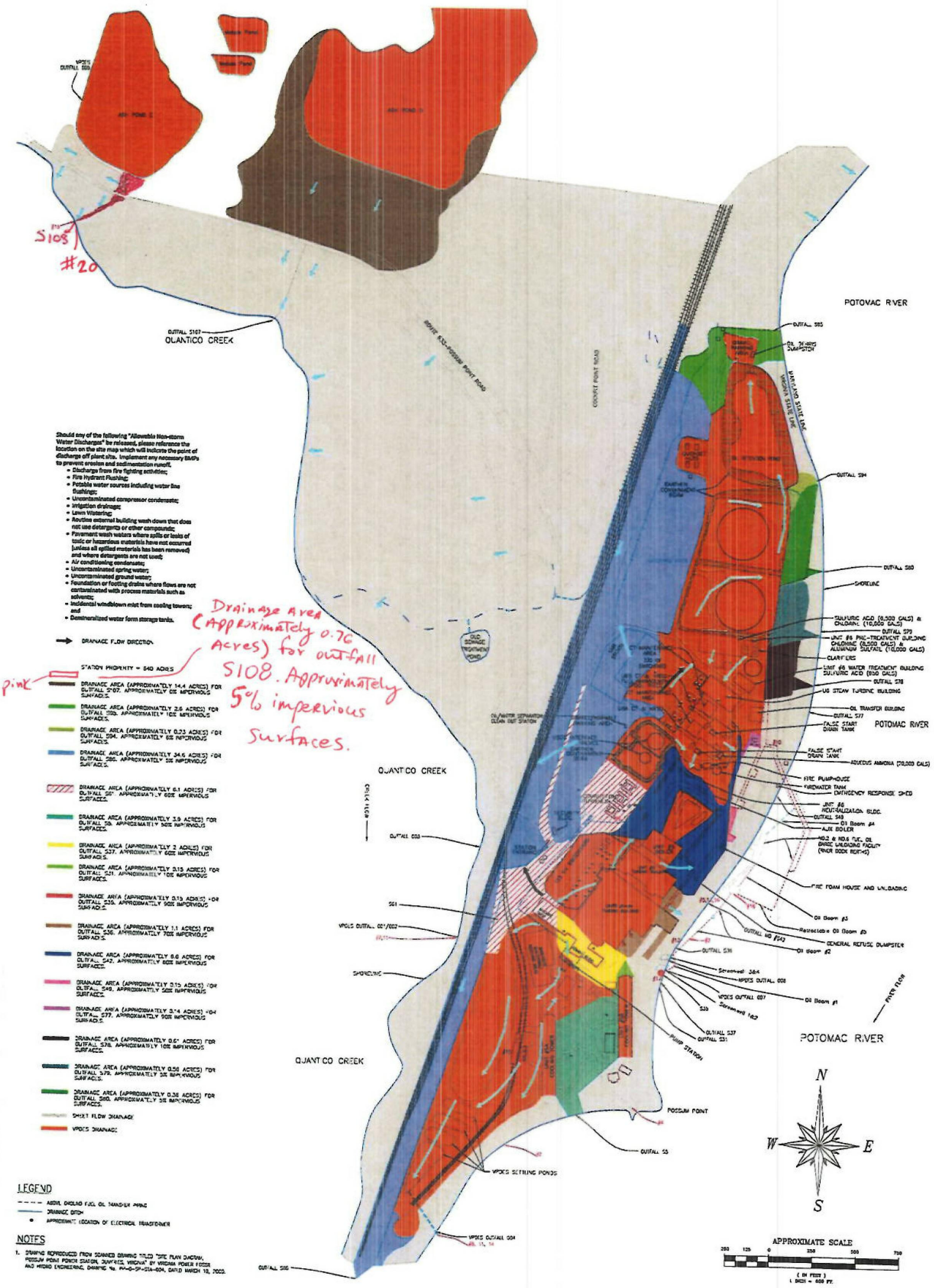
POTOMAC RIVER
QUANTICO CREEK
OUTFALL 5107
S108
#20
OUTFALL 585
OUTFALL 584
OUTFALL 580
SHORELINE
CLARIFIERS
OUTFALL 578
OUTFALL 577
OUTFALL 549
OUTFALL 537
OUTFALL 531
OUTFALL 55
OUTFALL 506
POSSUM POINT
PUMP STATION
FIRE PUMPHOUSE
FIRE FOAM HOUSE AND UNLOADING
GENERAL REFUSE DUMPSTER
Should any of the following "Allowable Non-storm Water Discharges" be released, please reference the location on the site map which will indicate the point of discharge off plant site. Implement any necessary BMPs to prevent erosion and sedimentation runoff.
• Discharge from fire fighting activities;
• Fire Hydrant Flushing;
• Potable water sources including water line flushings;
• Uncontaminated compressor condensate;
• Irrigation drainage;
• Lawn Watering;
• Routine external building wash down that does not use detergents or other compounds;
• Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials has been removed) and where detergents are not used;
• Air conditioning condensate;
• Uncontaminated spring water;
• Uncontaminated ground water;
• Foundation or footing drains where flows are not contaminated with process materials such as solvents;
• Incidental windblown mist from cooling towers; and
• Demineralized water form storage tanks.
DRAINAGE FLOW DIRECTION
STATION PROPERTY = 840 ACRES
pink
Drainage Area (Approximately 0.76 Acres) for outfall S108. Approximately 5% impervious surfaces.
DRAINAGE AREA (APPROXIMATELY 14.4 ACRES) FOR OUTFALL 5107. APPROXIMATELY 0% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 2.6 ACRES) FOR OUTFALL 580. APPROXIMATELY 10% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.23 ACRES) FOR OUTFALL 584. APPROXIMATELY 6% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 34.6 ACRES) FOR OUTFALL 585. APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 6.1 ACRES) FOR OUTFALL 561. APPROXIMATELY 60% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 3.9 ACRES) FOR OUTFALL 506. APPROXIMATELY 50% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 2 ACRES) FOR OUTFALL 537. APPROXIMATELY 60% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 3.15 ACRES) FOR OUTFALL 531. APPROXIMATELY 10% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.15 ACRES) FOR OUTFALL 536. APPROXIMATELY 90% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 1.1 ACRES) FOR OUTFALL 536. APPROXIMATELY 70% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 8.6 ACRES) FOR OUTFALL 542. APPROXIMATELY 80% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.15 ACRES) FOR OUTFALL 549. APPROXIMATELY 20% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 3.14 ACRES) FOR OUTFALL 577. APPROXIMATELY 90% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.61 ACRES) FOR OUTFALL 578. APPROXIMATELY 10% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.56 ACRES) FOR OUTFALL 579. APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.38 ACRES) FOR OUTFALL 580. APPROXIMATELY 5% IMPERVIOUS SURFACES.
SHEET FLOW DRAINAGE
VPDES DRAINAGE
LEGEND
DRAINAGE DITCH
NOTES
1. DRAWING REPRODUCED FROM SCANNED DRAWING TITLED "SITE PLAN DRAINAGE, POSSUM POINT POWER STATION, DUMFRIES, VIRGINIA" BY VIRGINIA POWER FOSSIL AND HYDRO ENGINEERING, DRAWING No. PP-0-SP-STA-604, DATED MARCH 10, 2000.
N
W
E
S
APPROXIMATE SCALE
DOMINION ENERGY
FOSSIL & HYDRO TECHNICAL SERVICES
RICHMOND, VIRGINIA
SITE PLAN
STORM WATER DRAINAGE AREAS
POSSUM POINT POWER STATION
DSGN DSGN SUPV RWM
DRWN KTC ENGR SUPV
CHKD RAW LEAD ENGR
ENGR RAW SCALE: N/A
DRAWING NUMBER PP-0-SP-STA-622
REV. 5
UNLESS OTHERWISE NOTED
SH 1 OF 1
5 REVISED PER ENVIRONMENTAL REDLINES.
4 REVISED PER ENVIRONMENTAL REDLINE (RAW)
3 REV PER ENVIRONMENTAL REDLINE. VOD FY & RECALC DRAINAGE AREA.

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