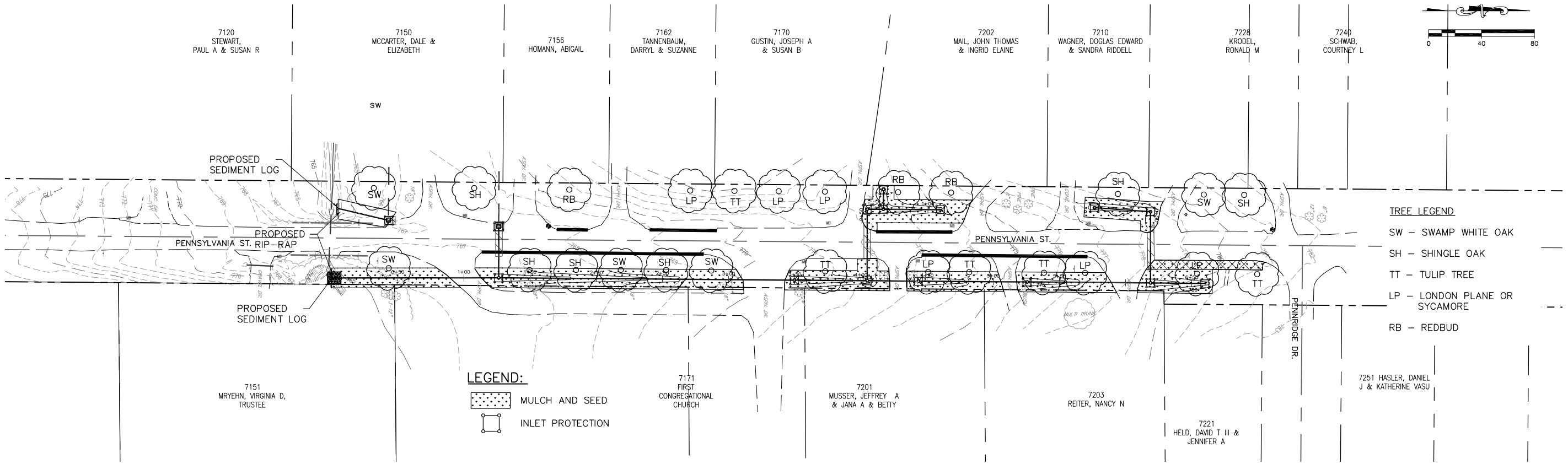


INLET PROTECTION

INLET PROTECTION SHALL BE CONSTRUCED EITHER BEFORE UPSLOPE LAND DISTUBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.

THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.

THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2–BY–4–IN. CONSTRUCTION GRADE LUMBER. THE 2–BY–4–IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2–BY–4–IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20–40 SIEVE AND BE RESISTENT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.

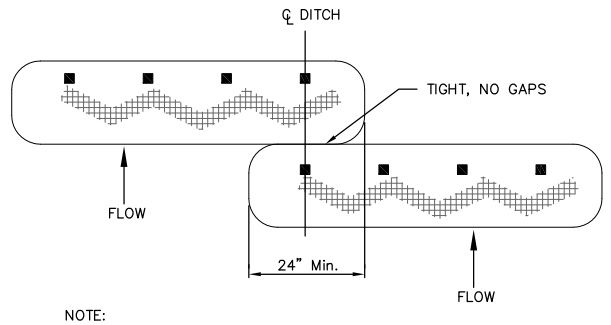
BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6–IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.

A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6–IN. HIGHER THAN THE TOP OF THE FRAME.

SEDIMENT LOGS

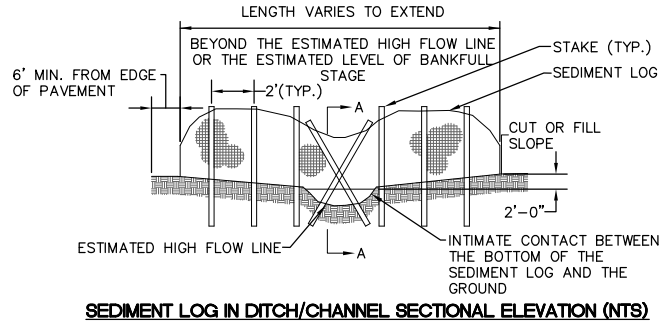
NOTES:

1. NO SEDIMENT LOGS SHALL BE INSTALLED IN THE URBAN FREEWAY MEDIANS, AS WELL AS WHERE CABLE BARRIER SYSTEMS ARE EMPLOYED.
2. SEDIMENT LOGS SHALL BE LOCATED AS INDICATED IN EROSION CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.
3. LOGS SHALL BE SELECTED, INSTALLED, AND MAINTAINED WITH MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES.
4. LAY SEDIMENT LOG ACROSS PREPARED DITCH OR CHANNEL. TRENCHING OR BURIAL OF SEDIMENT LOGS IS NOT REQUIRED. THE INTIMATE CONTACT BETWEEN THE BOTTOM OF THE LOG AND THE GROUND IS MANDATORY. THE LOGS SHALL BE INSTALLED IN THE DITCH, SWALE OR CHANNEL BOTTOM PERPENDICULAR TO THE FLOW OF WATER AS SHOWN ON DETAIL THIS SHEET.
5. STAKE LOG AS SHOWN. STAKES SHALL BE PLACED THROUGHOUT DOWNSTREAM SIDE ONLY AS SHOWN.
6. DO NOT DRIVE STAKES THROUGH CENTER OF LOG. STAKES MUST BE DRIVEN INTO THE GROUND AS SHOWN.
7. ENSURE THAT NO GAPS EXIST BETWEEN SOIL AND BOTTOM OF SEDIMENT LOG. REPAIR ANY RILLS OR UNDERCUTS PROMPTLY.
8. IN ROCK CONDITIONS THE ENGINEER WILL EVALUATE PLACEMENT OF SEDIMENT LOGS.
9. FOR DITCH SLOPES THAT EXCEED 5%, INSTALL ROCK RIPRAP FOR CHANNEL/DITCH LINING OR ROCK CHECK DAMS IN PLACE OF SEDIMENT LOGS.
10. REMOVE SEDIMENT LOG AND STAKES ONCE FINAL STABILIZATION REQUIREMENTS ARE MET.
11. CONTRACTOR TO DISPOSE OF SEDIMENT LOGS AND TRAPPED SEDIMENT MATERIAL AND TO FILL HOLLOW TRENCH CREATED BY SEDIMENT LOG.
12. THE INSTALLATION AND MAINTENANCE OF SEDIMENT LOG BMP'S SHALL NOT NEGATIVELY IMPACT TRAFFIC SAFETY, AS WELL AS THE DESIGNED FUNCTION OF ROADWAY OR BRIDGE DRAINAGE FACILITIES. FOR EROSION/SEDIMENT CONTROL PURPOSES, SEDIMENT LOG BMP'S SHALL BE INSTALLED AND MAINTAINED TO CARRY THE STORM WATER FOR AT LEAST 2–YEAR, 24–HOUR EVENTS.

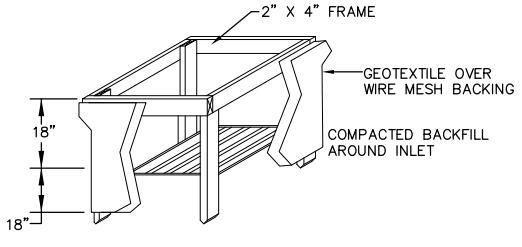


NOTE:
OVERLAP APPLIES TO SITUATIONS WHERE DITCH/CHANNEL IS WIDER THAN LENGTH OF SINGLE SEDIMENT LOG.

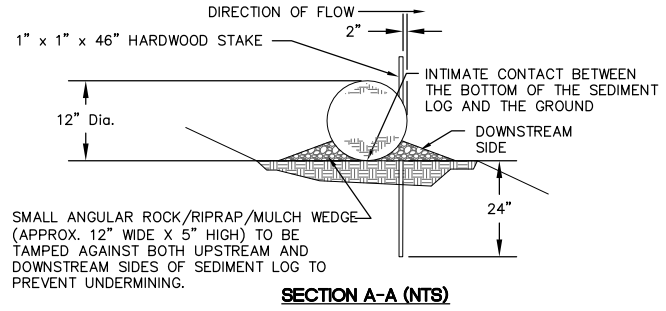
TYPICAL OVERLAP PLAN (NTS)



SEDIMENT LOG IN DITCH/CHANNEL SECTIONAL ELEVATION (NTS)



INLET PROTECTION IN SWALES, DITCH LINES OR YARD INLETS (N.T.S)



SECTION A-A (NTS)

CURTISS W. WHITE
REGISTERED
PE19400134
STATE OF
INDIANA
PROFESSIONAL ENGINEER

SEAL

NO.	REVISIONS	DATE	NO.	REVISIONS	DATE
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PENNSYLVANIA ST.
STORM WATER IMPROVEMENTS

EROSION CONTROL PLAN

DWG. NO. 8
SHEET 8 OF 9