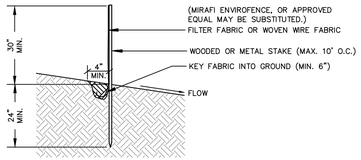


CONSTRUCTION SPECIFICATIONS FOR SILT FENCE

1) SILT FENCE SHALL BE EITHER PRE-FABRICATED EROSION CONTROL FENCE (MIRAFI ENVIROFENCE, OR EQUAL), OR CONSTRUCTED-IN-PLACE, AS SPECIFIED HEREIN.

2) MAXIMUM DRAINAGE AREA IS 1/4 ACRE FOR 100 FEET OF SILT FENCE.

3) WITH APPROVAL FROM THE ANR STORMWATER PROGRAM, SUSTAINABLE OPTIONS MAY BE CONSIDERED ACCEPTABLE IN PLACE OF TRADITIONAL SILT FENCE, SUCH AS STABILIZED EARTH BERMS

PRE-FABRICATED SILT FENCE

1) FENCE SHALL BE INSTALLED PARALLEL TO GROUND CONTOURS, AND FILTER FABRIC SIDE SHALL FACE UPSLOPE; MESH AND STAKES SHALL FACE DOWNSLOPE.

2) TRENCH SHALL BE EXCAVATED MINIMUM 6 INCHES DEEP ON UPSLOPE SIDE OF FENCE LINE. EXCESS FLAP OF FILTER FABRIC (MINIMUM 8 INCHES) SHALL BE PLACED IN TRENCH. TRENCH SHALL BE BACKFILLED AND COMPACTED. CONSTRUCTION IN THIS MANNER PREVENTS SEDIMENT-LADEN RUNOFF FROM FLOWING UNDER SILT FENCE.

3) SILT FENCE SHALL BE INSPECTED WEEKLY, AND AFTER EACH SIGNIFICANT PRECIPITATION EVENT. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT SHALL BE REMOVED WHEN IT IS HALFWAY UP THE FENCE.

4) BROKEN STAKES SHALL BE REPLACED PROMPTLY.

CONSTRUCTED-IN-PLACE SILT FENCE

1) FENCE POST SHALL BE DRIVEN, 10 FEET MAXIMUM ON CENTER; POSTS SHALL BE DRIVEN MINIMUM 24" BELOW GRADE. FENCE SHALL BE POSITIONED AS SHOWN, PARALLEL TO THE GROUND CONTOURS.

2) TRENCH SHALL BE EXCAVATED MINIMUM 6 INCHES DEEP AND 4 INCHES WIDE ON UPSLOPE SIDE OF FENCE LINE.

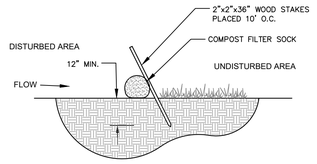
3) WOVEN WIRE FABRIC (14 GA., 6 INCH MAX. MESH OPENING) SHALL BE STAPLED OR FASTENED SECURELY WITH WIRE TIES TO UPSLOPE SIDE OF FENCE POSTS. WOVEN WIRE FABRIC SHALL EXTEND MINIMUM 36 INCHES ABOVE GRADE.

4) FILTER FABRIC SHALL BE FASTENED SECURELY ON UPSLOPE SIDE OF WOVEN WIRE FABRIC WITH WIRE TIES, SPACED EVERY 24 INCHES, AT TOP AND MID-SECTION OF FENCE. MINIMUM 8 INCH FLAP OF FILTER FABRIC SHALL BE PLACED IN TRENCH ON UPSLOPE SIDE OF FENCE, AND BACKFILLED.

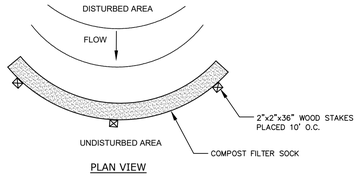
5) WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.

6) SILT FENCE SHALL BE INSPECTED WEEKLY, AND AFTER EACH SIGNIFICANT PRECIPITATION EVENT. MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN IT IS HALFWAY UP THE FENCE.

SEDIMENT BARRIER - SILT FENCE
NTS

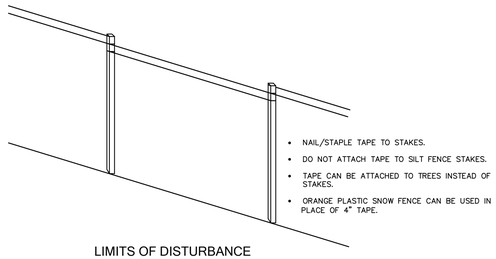


SECTION VIEW

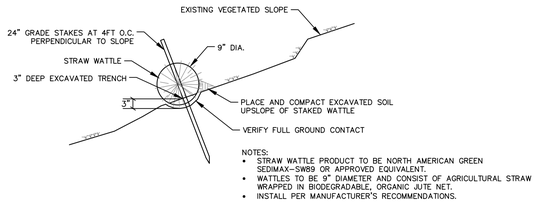


PLAN VIEW

SEDIMENT BARRIER - COMPOST FILTER SOCK DETAIL
NTS



LIMITS OF DISTURBANCE
4" ORANGE BARRIER TAPE DETAIL
NTS



SEDIMENT BARRIER - STRAW WATTLE DETAIL
NTS

EROSION CONTROL NOTES

1. PROPERTY LINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND WERE BASED ON INFORMATION FROM PREVIOUS PLANS BY OTHERS.

2. LIMIT OF DISTURBANCE TO BE DELINEATED IN THE FIELD WITH 4" ORANGE WARNING TAPE PRIOR TO CONSTRUCTION.

3. ADD SEDIMENT BARRIER AS REQUIRED TO MAINTAIN COMPLIANCE AS THE SITE IS DEVELOPED. THE SEDIMENT BARRIER SHALL BE PLACED AS SHOWN ON THE PLANS TO RETAIN SEDIMENT. THE SEDIMENT BARRIER CAN BE REMOVED WHEN THE EXCAVATION IS COMPLETE, THE SLOPES MULCHED AND GOOD GRASS COVER STARTED.

4. ALL EROSION AND SEDIMENT CONTROL FEATURES SHOWN ON THIS SHEET SHALL BE INSTALLED ACCORDING TO PLANS/DETAILS PRIOR TO ANY EARTH DISTURBANCE. IT IS ANTICIPATED THAT ADDITIONAL EROSION CONTROL MEASURES WILL BE REQUIRED IN THE FIELD. THE ENGINEER SHALL AUTHORIZE ADDITIONAL NETTING, MULCH, STONE, CULVERTS, ETC., AS THE BECOME NECESSARY.

5. THE "VERMONT LOW RISK HANDBOOK FOR EPSC" SHALL BE FOLLOWED DURING ALL SITE CONSTRUCTION.

6. A PRECONSTRUCTION MEETING WILL BE HELD WITH THE OWNER, ENGINEER AND CONTRACTOR TO REVIEW EROSION CONTROL REQUIREMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

7. TOTAL DISTURBED AREAS NOT TO EXCEED 2 ACRES AT ANY TIME. ALLS AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF INITIAL DISTURBANCE. AFTER THIS TIME ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
   I) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
   II) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (IE. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. HOUSE FOUNDATION EXCAVATION, UTILITY TRENCHES).

8. NO MORE THAN 100' OF TRENCH SHALL BE OPEN AT ONE TIME. THE TRENCH SHALL BE BACK FILLED DAILY. EXTRA MATERIAL SHALL BE PLACED ON THE EXCAVATED AREA TO OVERFILL THE TRENCH AND ALLOW FOR SETTLING. THE FILL MATERIAL SHALL BE GRADED TO FORM A CROWN OR AS NEEDED IN ORDER TO FACILITATE PROPER DRAINAGE. THE KEY IS TO PREVENT WATER FROM FOLLOWING AND CONCENTRATING ALONG THE EXCAVATED AREA OF THE TRENCH LINE. BUILT UP WATER BARS MAY ALSO BE USED TO PROMOTE SHEDDING OF WATER AWAY FROM THE EXCAVATED AREA. THE COMPLETED AREAS OF EXCAVATION SHALL BE SEEDED AND MULCHED DAILY.

9. MAINTENANCE AND INSPECTIONS: INSPECTIONS TO BE PERFORMED A MINIMUM OF ONCE PER WEEK BY THE ONSITE COORDINATOR AND PRIOR TO AND IMMEDIATELY FOLLOWING STORM EVENTS. MAINTENANCE TO BE PERFORMED AS NEEDED BASED ON INSPECTIONS. IN ADVANCE OF A PREDICTED RAINFALL OR SNOW MELT EVENT, ALL MANAGEMENT PRACTICES APPROPRIATE TO CURRENT AREAS OF DISTURBANCE MUST BE CHECKED AND REPAIRED AS NECESSARY TO ENSURE PROPER OPERATING CONDITION TO PREVENT SEDIMENT DISCHARGE FROM THE CONSTRUCTION SITE TO WATERS OF THE STATE. THIS MAY INCLUDE THE TEMPORARY STABILIZATION OF ALL DISTURBED SOILS OF THE SITE IN ADVANCE OF ANTICIPATED RUNOFF PERIOD.

10. ALL SEDIMENT REMOVED FROM SEDIMENT CONTROL PRACTICES AS A PART OF MAINTENANCE SHALL BE DISPOSED OF IN AN AREA THAT IS:
   a. LESS THAN 5% IN SLOPE.
   b. AT LEAST 100 FT FROM ANY DOWNSLOPE WATER BODY OR CONVEYANCE TO A WATER BODY (INCLUDING STORM DRAIN INLET OR DITCH).
   c. PERMANENT STABILIZATION OF SEDIMENT SHALL BE IMMEDIATELY IMPLEMENTED FOLLOWING DISPOSAL.

11. CHECK DAMS ARE REQUIRED IN DITCHES ON THE "CUT SIDE" OF THE ROADWAY AT THE SPACING SPECIFIED IN THE DETAIL ON THIS SHEET.

12. ALL SEED SHALL BE APPLIED PRIOR TO SEPTEMBER 15TH, TO FACILITATE GERMINATION.

13. PROJECT ONSITE COORDINATOR IS BRENDAN O'REILLY OF GRISTMILL BUILDERS, PHONE AT 802-279-2000.

TEMPORARY & PERMANENT PLANTINGS, SOIL AMENDMENTS

ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN THE FOLLOWING PROPORTIONS:
- A. SEED @ 20 LB/ACRE (CONSERVATION MIX)
- B. FERTILIZER (300 LB/ACRE OF 10-20-20)
- C. LIME @ 2 TONS/ACRE
- D. MULCH @ 2 TONS/ACRE
- E. TOPSOIL (4" MINIMUM USING ON SITE STOCKPILES SAVED DURING CONSTRUCTION)
- F. EROSION NETTING (AS NEEDED.)

WINTER CONSTRUCTION STABILIZATION NOTES:
(FOR ALL WORK BETWEEN OCTOBER 15 AND MAY 1)

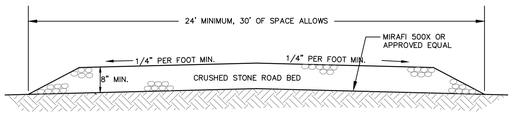
PRIOR TO THE START OF WINTER CONSTRUCTION, THE OWNER SHALL FILE A "NOTICE OF WINTER CONSTRUCTION" FORM WITH THE VERMONT STORMWATER PROGRAM.

1. ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
   I) STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION FORECAST FOR THE NEXT 24 HOURS.
   II) STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. TOWER OR BUILDING FOUNDATION EXCAVATION, UTILITY TRENCHES).

2. MULCH AT DOUBLE THE NORMAL RATE I.E. 6" DEEP OR 2-4 BALES/1000 SF.

3. MULCH BEFORE SNOW FALL.

4. ALL REQUIRED SILT FENCE IS TO BE INSTALLED BEFORE FROZEN CONDITIONS



NOTES:

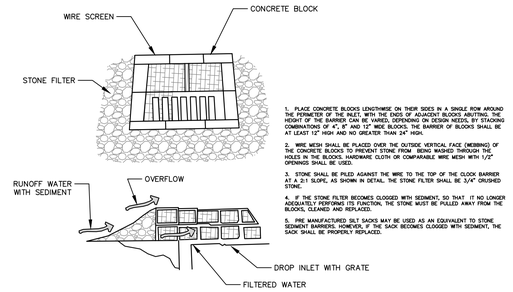
1. STABILIZED ENTRANCE TO BE CONSTRUCTED AS SHOWN ON THIS PLAN.

2. CRUSHED STONE SIZE TO BE 1.5 TO 4 INCHES.

3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO MAIN ROAD. PERIODIC TOP DRESSING WITH ADDITIONAL STONE MAY BE REQUIRED TO ACCEPTABLY MAINTAIN THE ENTRANCE ROAD. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO THE TOWN ROAD MUST BE REMOVED IMMEDIATELY.

4. WHEN NECESSARY, THE WHEELS OF VEHICLES EXITING THE SITE SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, WATERCOURSE, OR WETLAND. THE STABILIZED CONSTRUCTION ENTRANCE SHALL START AT AND PROCEED FOR A LENGTH OF 40' INCLUDING ALL TURNING RADII.

TYPICAL STABILIZED CONSTRUCTION ENTRANCE
NTS



1. PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE ADJUSTED, BASED ON DESIGN NEEDS, BY STACKING COMBINATIONS OF 4", 8", AND 12" WIDE BLOCKS. THE BARRIER OF BLOCKS SHALL BE AT LEAST 12" HIGH AND NO GREATER THAN 24" HIGH.

2. WIRE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (WEEPING) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE HOLES IN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS SHALL BE USED.

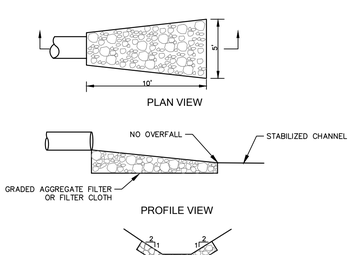
3. STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE CLOCK BARRIER AT A 2:1 SLOPE, AS SHOWN IN DETAIL. THE STONE FILTER SHALL BE 3/4" CRUSHED STONE.

4. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT, SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

5. PRE MANUFACTURED SILT SACKS MAY BE USED AS AN EQUIVALENT TO STONE SEDIMENT BARRIERS, HOWEVER, IF THE SACK BECOMES CLOGGED WITH SEDIMENT, THE SACK SHALL BE PROPERLY REPLACED.

SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

CATCH BASIN INLET PROTECTION DETAIL
NTS



STONE INLET/OUTLET PROTECTION DETAIL
NTS

EROSION CONTROL/CONSTRUCTION SEQUENCE

PROJECT COMPONENTS

1. INSTALL LIMITS OF DISTURBANCE & CONSTRUCTION ENTRANCES.

2. MASS EXCAVATION FOR FOUNDATIONS & STOCKPILE TOPSOIL.

3. EXCAVATE AND INSTALL SUBBASE FOR PARKING & DRIVE LANES

4. INSTALL STORMWATER SYSTEM.

5. CONSTRUCT BUILDING.

6. FINAL GRADING OF THE SITE, SEED AND MULCH ALL DISTURBED AREAS.

GENERAL OBJECTIVES

THE OVERALL OBJECTIVE OF THE PLAN IS TO MINIMIZE THE EROSION OF DISTURBED LAND AND TO PREVENT THE DISCHARGE OF SEDIMENT AND OTHER CONSTRUCTION-RELATED POLLUTANTS TO WATERS OF THE STATE. THIS PLAN HAS BEEN DEVELOPED WITH THE USE OF THE VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL 2006. THE ACCEPTABLE MANAGEMENT PRACTICES FOR MAINTAINING WATER QUALITY ON LOGGING JOBS IN VERMONT (AMP'S) AND THE WINTER CONSTRUCTION EROSION PREVENTION AND SEDIMENT CONTROL PAMPHLET.

ADDITIONAL OBJECTIVES ARE:

1. CONDUCT SITE WORK IN A PHASED METHOD THAT MINIMIZES THE AMOUNT OF DISTURBED SOIL PRESENT AT ANY GIVEN POINT IN TIME.

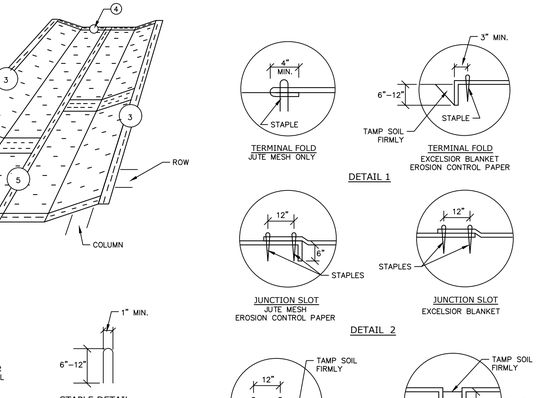
2. PREVENT THE TRANSPORT OF SEDIMENTS FROM THE SITE DUE TO EROSION FROM STORMWATER RUNOFF.

3. PERFORM RESTORATION AS RAPIDLY AS POSSIBLE FOLLOWING SITE DISTURBANCE.

4. THE TOTAL DISTURBANCE FOR THIS PROJECT IS 6.9 ACRES.

5. CONTRACTOR WILL IMPLEMENT TEMPORARY STABILIZATION (MULCH) WITHIN 14 DAYS OF INITIAL DISTURBANCE.

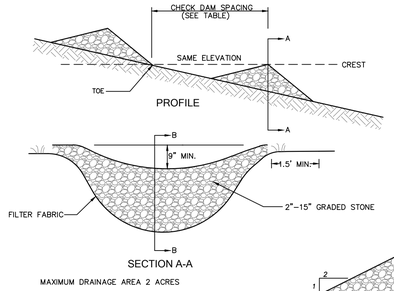
6. NO MORE THAN 2.0 ACRES CAN BE DISTURBED AT ONE TIME.



RECP CONSTRUCTION SPECIFICATIONS

1. SPACING: INSTALL RECP EVERY 50' ON SLOPES MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
2. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'x225 ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'x150' ROLL OF MATERIAL.
3. DISTURBED AREA SHALL BE SMOOTHLY GRADED TO ENSURE CLOSE CONTACT BETWEEN RECP AND GROUND.
4. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

(DETAIL FROM VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION)
ROLLED EROSION CONTROL PRODUCT (RECP)
NTS



MAXIMUM DRAINAGE AREA 2 ACRES

CHECK DAM	
DITCH SLOPE	SPACING - FEET
3	70
4	50
5	40
6	35
7	30
8	25
10	20

CONSTRUCTION SPECIFICATIONS:

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.

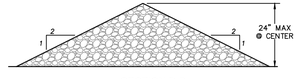
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.

3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.

5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

6. TO BE PLACED IN DITCHES OVER 2½ % IF RIP RAP IS NOT INSTALLED WITHIN 24 HOURS AFTER DITCH IS CLEANED OR AS ORDERED BY ENGINEER.



STONE CHECK DAM
NTS

NOTE: ORIGINAL PLAN 24 " x 36 ". OTHER SIZES NOT TO SCALE

No.	Date	Revision	By

PHASE II - EPSC DETAILS
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BUTTERMILK, LLC
JOLINA COURT RICHMOND

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Date:	6 . 08 . 23
Scale:	A/N
Designed:	JDG
Drawn:	TJM
Checked:	JDG
Sheet No:	EC-2