

**EROSION AND SEDIMENT CONTROLS
GENERAL NOTES (CONTD.)**

11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. TRAPS WILL BE CLEANED WHEN THEY ARE 50% FILLED, SILT FENCE & STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIALS EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN THE VICINITY OF THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER THE DEPARTMENT WILL ASSUME THE COSTS OF THE CONTROLS.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
 - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.

17. SEEDING USAGE

- CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.
- CLASS 4 USED AT PROPOSED DITCHES AND INFIELDS.
- CLASS 4B USED ADJACENT TO WETLANDS TO BE REMEDIATED AND AT INFIELDS. (MODIFIED)
- CLASS 7 USED ON LONG TERM TEMPORARY SEEDING AND FOR WINTER SHUTDOWN IN PLACE OF TEMPORARY EROSION CONTROL SEEDING.

TEMPORARY EROSION CONTROL SEEDING : USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.

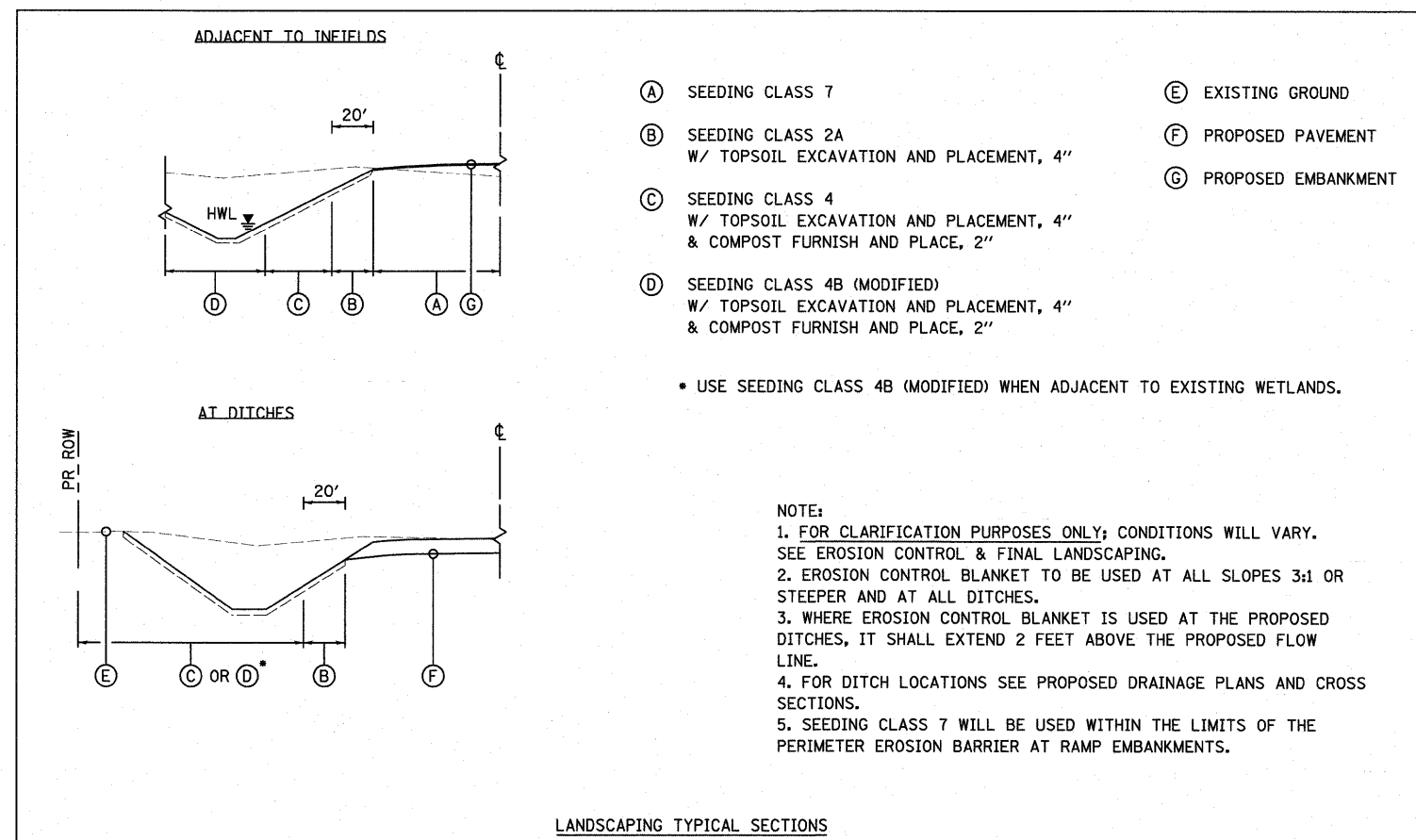
18. TOP SOIL PLACEMENT:
TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARILY STEEP SLOPES.
19. PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES WITHIN THE CONTRACT, ALL WETLANDS AND WATER BODIES SHALL BE PROTECTED BY "TEMPORARY CHAIN LINK FENCE" 4' IN HEIGHT, AND PERIMETER EROSION BARRIER INSTALLED. PERIMETER EROSION BARRIER SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTIONS. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 2' HORIZONTAL. INSTALL "WETLAND AREA NO INTRUSION" SIGNS ON TEMPORARY CHAIN LINK FENCE AT LOCATIONS DESIGNATED ON THE PLAN SHEETS. A MINIMUM OF TWO SIGNS PER LOCATION WILL BE INSTALLED. NO INTRUSION SIGNING SHALL BE FURNISHED BY THE DEPARTMENT AND INSTALLED BY THE CONTRACTOR ON THE FENCING, THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY CHAIN LINK FENCE".

20. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE.

EROSION AND SEDIMENT CONTROL (ESC) STRATEGY

DISTURBED AREA: 202.9 ACRES (CONTRACTS 1-3)
RECEIVING WATERS: NORTH FORK OF GRANT CREEK, AND THE DES PLAINES RIVER

1. ERECT PERIMETER EROSION BARRIER AS SHOWN ON THE PLANS.
2. ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
3. CLEAR AND GRUB, REMOVE EXISTING TREES AS NECESSARY.
4. INSTALL INLET FILTERS AND INLET & PIPE PROTECTION AS SHOWN ON THE PLANS.
5. INSTALL TEMPORARY DITCH CHECKS AT 18" VERTICAL INTERVALS.
6. STABILIZE DISTURBED AREAS WITH MULCH METHOD 2 AND TEMPORARY EROSION CONTROL SEEDING AS SHOWN ON THE PLANS.
7. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
8. WHEN FINAL STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY MEASURES.



- (A) SEEDING CLASS 7
 - (B) SEEDING CLASS 2A
W/ TOPSOIL EXCAVATION AND PLACEMENT, 4"
 - (C) SEEDING CLASS 4
W/ TOPSOIL EXCAVATION AND PLACEMENT, 4"
& COMPOST FURNISH AND PLACE, 2"
 - (D) SEEDING CLASS 4B (MODIFIED)
W/ TOPSOIL EXCAVATION AND PLACEMENT, 4"
& COMPOST FURNISH AND PLACE, 2"
 - (E) EXISTING GROUND
 - (F) PROPOSED PAVEMENT
 - (G) PROPOSED EMBANKMENT
- USE SEEDING CLASS 4B (MODIFIED) WHEN ADJACENT TO EXISTING WETLANDS.

NOTE:
1. FOR CLARIFICATION PURPOSES ONLY; CONDITIONS WILL VARY. SEE EROSION CONTROL & FINAL LANDSCAPING.
2. EROSION CONTROL BLANKET TO BE USED AT ALL SLOPES 3:1 OR STEEPER AND AT ALL DITCHES.
3. WHERE EROSION CONTROL BLANKET IS USED AT THE PROPOSED DITCHES, IT SHALL EXTEND 2 FEET ABOVE THE PROPOSED FLOW LINE.
4. FOR DITCH LOCATIONS SEE PROPOSED DRAINAGE PLANS AND CROSS SECTIONS.
5. SEEDING CLASS 7 WILL BE USED WITHIN THE LIMITS OF THE PERIMETER EROSION BARRIER AT RAMP EMBANKMENTS.

SOIL PROTECTION SCHEDULE

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A					A				
DORMANT SEEDING	B+									A		
TEMPORARY SEEDING			B+									
EROSION BLANKET/HYDROMULCH	B+											