

GRASSING NOTES:

TEMPORARY GRASSING [Ds1] [Ds2]

1. APPLY TEMPORARY GRASSING TO DISTURBED AREAS WITHIN 14 DAYS OF LAND DISTURBING ACTIVITIES IF PERMANENT GRASSING IS NOT REQUIRED. APPLY TEMPORARY GRASSING TO SOIL STOCKPILES.
2. ALL AREAS RECEIVING TEMPORARY GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH.
3. APPLY SEED MIXTURE AT SPECIFIED APPLICATION RATE EVENLY. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. MULCH SHALL BE APPLIED IMMEDIATELY AFTER GRASSING. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
5. TACKIFIER IS TO BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS.
6. TEMPORARY MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED IN THE SPECIFICATIONS. SEED MIXTURES GROW RAPIDLY AND ARE LOW-MAINTENANCE.

PERMANENT GRASSING [Ds3]

1. APPLY PERMANENT GRASSING WHENEVER GRADING OPERATIONS ARE COMPLETE AND ALL ADDITIONAL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT GRASSING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.
2. ALL AREAS RECEIVING PERMANENT GRASS MIXTURE SHALL RECEIVE AN APPLICATION OF FERTILIZER AND BE PROTECTED WITH MULCH AND/OR EROSION CONTROL MATTING. APPLY LIME AT A RATE BASED ON PH OF SOIL (SEE LIME REQUIRED FOR GRASSING BASED ON THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA). FOR DRY GRASSING, UNIFORMLY INCORPORATE INTO SOIL FOR A DEPTH OF 1 INCH AND LIGHTLY WATER TO AID THE DISSIPATION OF FERTILIZER.
3. APPLY SEED MIXTURE AT SPECIFIED RATES EVENLY IN TWO INTERSECTING DIRECTIONS BY THE USE OF A MECHANICAL SPREADER OR HYDROSEEDER. DO NOT SEED AN AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY. DO NOT SOW IMMEDIATELY FOLLOWING A RAIN, WHEN GROUND IS TOO DRY, OR DURING WINDY PERIODS.
4. COMBINED HYDRAULIC APPLICATION OF SEED, FERTILIZER, AND MULCH MAY BE PERFORMED. TACKIFIER APPLICATION MAY BE WITHIN THE COMBINED MIXTURE IF ALLOWED BY MANUFACTURER'S RECOMMENDATIONS. HYDRAULIC SPRAYING EQUIPMENT AND MIXTURE SHALL BE DESIGNED SUCH THAT WHEN THE GRASS MIXTURE IS SPRAYED OVER THE AREA, THE MIXTURE COMPONENTS SHALL BE EQUAL IN QUANTITY TO THE SPECIFIED RATES.
5. WOOD FIBER MULCH SHALL BE APPLIED AS INDICATED IN THE PROJECT SPECIFICATIONS. STRAW MULCH SHALL BE UTILIZED TO PROVIDE A UNIFORM LOOSE DEPTH BETWEEN 1-1/2 TO 3 INCHES. ALL MULCH SHALL RECEIVE AN APPLICATION OF TACKIFIER.
6. PERMANENT MIXTURES ACCEPTABLE FOR THIS PROJECT ARE LISTED IN THE SPECIFICATIONS. THESE MIXTURES GROW RAPIDLY AND ARE LOW-MAINTENANCE.

HYDROSEEDING

1. HYDROSEEDING IS THE WET HYDRAULIC SPRAYING OF SEED, FERTILIZER, TACKIFIER, AND USUALLY MULCH IN A ONE-STEP PROCESS. MATERIALS ARE MIXED WITH WATER IN A SLURRY TANK TO FORM A HOMOGENEOUS SLURRY, WHICH IS THEN SPRAYED ON THE SOIL SURFACE BY A HYDRAULIC SEEDER.
2. ORDINARY MULCH IS NOT SUITABLE FOR HYDROSEEDING. MULCH FOR HYDROSEEDING IS GENERALLY VIRGIN WOOD FIBER MULCH, MANUFACTURED TO BE UNIFORMLY SUSPENDED AS A SLURRY. STRAW MULCH SHALL BE APPLIED AFTER HYDROSEEDING.

FERTILIZING

1. CONTRACTOR IS RESPONSIBLE FOR FERTILIZING AS NEEDED THROUGHOUT THE PROJECT. COST SHALL BE INCIDENTAL TO THE COST OF GRASSING.
2. CONTRACTOR SHALL FERTILIZE GRASSING THROUGH THE ONE YEAR WARRANTY AFTER SUBSTANTIAL COMPLETION AT NO ADDITIONAL COST.
3. CONTRACTOR TO PROVIDE A FERTILIZING PLAN SPECIFIC TO PROJECT SITE TO OWNER AS PART OF PROJECT CLOSEOUT.

MAINTENANCE

1. INSPECT FREQUENTLY WITHIN THE FIRST SIX WEEKS OF PLANTING TO SEE IF GRASS STANDS ARE UNIFORM AND DENSE, AND TO ASSURE THAT APPROPRIATE MOISTURE LEVELS ARE MAINTAINED. MAKE PROVISIONS TO WATER AS NEEDED.
2. CONTRACTOR TO REVISE AND MULCH AS NECESSARY UNTIL THE GRASS IS SATISFACTORY TO THE OWNER.
3. CHECK FOR DAMAGE CAUSED BY EQUIPMENT OR HEAVY RAINS. DAMAGED AREAS SHOULD BE REPAIRED, FERTILIZED, SEEDED, AND MULCHED. TACK OR TIE DOWN MULCH AS NECESSARY TO PREVENT BLOWING.
4. ADDITIONAL VEGETATION WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS AT CONTRACTOR'S EXPENSE.
5. GRASS THAT ATTRACTS WILDLIFE SHALL NOT BE USED.
6. AT THE TIME THAT A SATISFACTORY VEGETATION HAS BEEN ESTABLISHED, ALL TEMPORARY EROSION CONTROL BMPs SHALL BE REMOVED FROM THE SITE, AND ALL RESTORATED DETENTION PONDS WILL BE CLEARED AND GRADED TO THE DETENTION POND DESIGN.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICE MAINTENANCE, REMOVAL, REPAIR, REGRASSING AND RECONSTRUCTION COSTS WILL BE INCIDENTAL TO THE COST OF THE PROJECT.
8. CONTRACTOR IS RESPONSIBLE FOR MOWING UNTIL PROJECT CLOSEOUT PAPERWORK IS COMPLETE. HEIGHT SHALL BE MAINTAINED TO NO GREATER THAN 4"-6" THROUGHOUT THE PROJECT AND AS DIRECTED BY THE ENGINEER.

GRASSING SCHEDULE:

TEMPORARY GRASSING SCHEDULE [Ds2]												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
ANNUAL RYE GRASS (50#/AC)	[Shaded bar from Jan to Oct]											
FERTILIZER 10-10-10 (400#/AC)	[Shaded bar from Jan to Oct]											
SOD PLANTING REQUIREMENTS [Ds4]												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
BERMUDA	[Shaded bar from Feb to Oct]											
TALL FESCUE	[Shaded bar from Sep to Nov]											
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ** - TEMPORARY GRASSING ONLY FROM NOVEMBER 16TH TO FEBRUARY 15TH												
SEED APPLICATION FOR AREAS WITH SLOPES FLATTER THAN 3:1** [Ds3]												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
BERMUDA (100#/AC)	[Shaded bar from Feb to Oct]											
COMMON BERMUDA (HULLED-50#/AC)	[Shaded bar from Apr to Oct]											
COMMON BERMUDA (UNHULLED-50#/AC)	[Shaded bar from Apr to Oct]											
TALL FESCUE (100#/AC)	[Shaded bar from Sep to Nov]											
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ** - TEMPORARY GRASSING ONLY FROM NOVEMBER 16TH TO FEBRUARY 15TH												
SEED APPLICATION FOR AREAS WITH SLOPES 3:1 OR GREATER** [Ds3]												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
BERMUDA (100#/AC)	[Shaded bar from Feb to Oct]											
COMMON BERMUDA (HULLED-50#/AC)	[Shaded bar from Apr to Oct]											
COMMON BERMUDA (UNHULLED-50#/AC)	[Shaded bar from Apr to Oct]											
TALL FESCUE (100#/AC)	[Shaded bar from Sep to Nov]											
WEEPING LOVEGRASS (3-4#/AC)	[Shaded bar from Feb to Oct]											
WEEPING LOVEGRASS (5#/AC)	[Shaded bar from Feb to Oct]											
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) ** - TEMPORARY GRASSING ONLY FROM NOVEMBER 16TH TO FEBRUARY 15TH												
FERTILIZER AND MULCH												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
FERTILIZER 10-10-10 (1000#/AC)***	[Shaded bar from Feb to Oct]											
AGRICULTURAL LIME (3000#/AC)	[Shaded bar from Feb to Oct]											
AMMONIUM NITRATE 34-0-0 (50#/AC) - *	[Shaded bar from Apr to Oct]											
MULCHING (5000#/AC)	[Shaded bar from Feb to Oct]											
* - TO BE APPLIED TO GRASS BETWEEN 2" AND 4" IN HEIGHT (TOPDRESSED) *** - FERTILIZER APPLICATION SHOULD BE SPLIT 50/50 WITH 500# AT TIME OF SEEDING AND 500# 45-60 AFTER INITIAL SEEDING												

TEMPORARY SEEDING [Ds2]

- APRIL 1 - OCTOBER 15:**
ON ALL AREAS, SLOPES 3:1 OR FLATTER-
COMMON BERMUDA 10 LBS/ACRE
- ON SLOPES OF 3:1 OR STEEPER-
INTERSTATE LESPEDEZA (SCARIFIED)..... 60 LBS/ACRE
INTERSTATE LESPEDEZA (UNSCARIFIED).....30 LBS/ACRE
- OCTOBER 16- MARCH 31:**
ON ALL AREAS
ANNUAL RYE GRASS 50 LBS/ACRE

PERMANENT SEEDING [Ds3]

- APRIL 1 - OCTOBER 15:**
ON ALL AREAS, SLOPES 3:1 OR FLATTER-
COMMON BERMUDA 10 LBS/ACRE
- ON SLOPES OF 3:1 OR STEEPER-
INTERSTATE LESPEDEZA (SCARIFIED)..... 60 LBS/ACRE
INTERSTATE LESPEDEZA (UNSCARIFIED).....30 LBS/ACRE
- OCTOBER 16- MARCH 31:**
TEMPORARY SEEDING ONLY



Order Plans @ www.lidplans.com

REVISIONS			
No.	Description	Date	By

Project Name:
APRON EXPANSION PROJECT

Sheet Name:
ES&PCP DETAILS NO. 6

GDOT Project Number: APXXX-XXXX-XX(XXX)	Holt Project Number: GAxxxx-xx
Designer: W. MCNAMARA	Technician: B. GARROW
Checked by: D. SKURKY	Submittal / Issue Date: FEBRUARY, 2020
CAD File: CX07 Erosion Details.dwg	Plotted: Feb 17, 2020 - 8:21am by George Summas
Scale: N.T.S.	Drawing Number: CE 5.06

ES&PCP PREPARER:
AULICK ENGINEERING
1900 CENTURY PLACE
N.E. SUITE 305
CHAMBLEE, GA
(678)825-8196