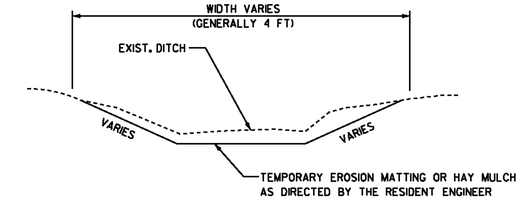
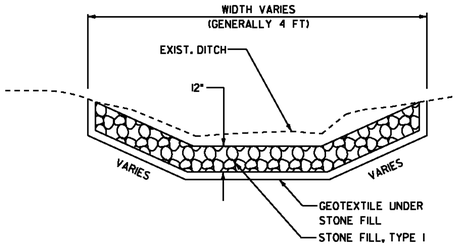
LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
				PERCENT GRADE				613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	0-1	1-2.5	2.5-10	>10	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
								CY	SY	LB	SY	
INTERSTATE 91												
NORTHBOUND DITCHING:												
1	161.570	161.610	LT			211		31	141			MEDIAN
2	161.610	161.802	LT		1014					7	451	MEDIAN
SOUTHBOUND DITCHING:												
3	157.225	157.485	LT		1373					10	610	
SUBTOTALS					2387	211		31*	141*	17*	1061*	

LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				
				PERCENT GRADE				613.10	649.31	651.15	653.20	
SITE	MILE MARKER	MILE MARKER	POS.	0-1	1-2.5	2.5-10	>10	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	REMARKS
								CY	SY	LB	SY	

*THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS.



DITCH DETAIL < 2.5 PERCENT



DITCH DETAIL ≥ 2.5 PERCENT

NOTES:

1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

2. GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE 651.15, SEED AND ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES 2.5 PERCENT OR GREATER SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

3. ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, SEED, STONE FILL AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE RESIDENT ENGINEER.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: IM 091-3(48)

FILE NAME: p07a286.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07a286dcs.i

PLOT DATE: 06-JUL-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 5 OF 40