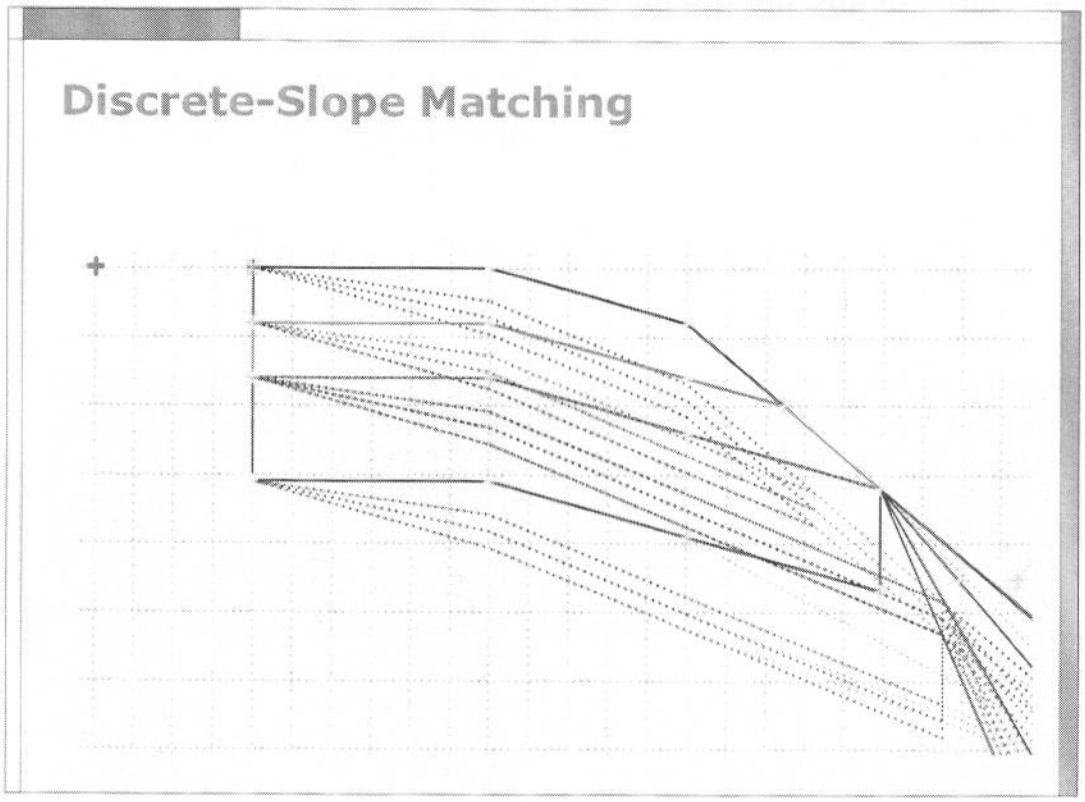
Task Detail Drawings



① • START MICROSTATION & OPEN 'WORKING.dgn', OPEN/LOAD 'DISPLAY RULES.rdp'

② • GO TO 'TASK_WIDENSLOPEFULLPERCENT' FOLDER IN THE .itl AND CREATE 'DISCRETE_WIDENING' TEMPLATE BY COPYING 'MATCH_SOLUTION', DOUBLE CLICK & SET IT ACTIVE. DRAG 'N DROP '2%_SOLUTION', '3%_SOLUTION', & '4%_SOLUTION' TO THE SAWCUT POINT. * EDIT COMPONENT NAMES! MATCH_TOP_ASPHALT / 2%_SOLUTION

③ • RIGHT CLICK ON 'MATCH_TOP_ASPHALT' & CLICK SET COMPONENT DISPLAY RULES, ADD NEW RULE NAMED='EXISTING SLOPE STEEPER THAN 1%', DESCRIPTION="SAME AS NAME", TYPE='SLOPE', BETWEEN 'XSAMPLE' AND 'SAWCUT' < -1% & SELECT OK.
- CLICK ADD & REPEAT RULE FOR 2% (<-2%) & 3% (<-3%) & 4% (<-4%)
- DISPLAY RULE CONDITIONAL EXPRESSION FOR 'MATCH_TOP_ASPHALT' COMPONENT = (NOT EXISTING SLOPE STEEPER THAN 1%) OR EXISTING SLOPE STEEPER THAN 4%
- DISPLAY RULE CONDITIONAL EXPRESSION FOR '2%_TOP_ASPHALT' COMPONENT = EXISTING SLOPE STEEPER THAN 1% AND NOT EXISTING SLOPE STEEPER THAN 2%
- DISPLAY RULE CONDITIONAL EXPRESSION FOR '3%_TOP_ASPHALT' COMPONENT = EXISTING SLOPE STEEPER THAN 2% AND NOT EXISTING SLOPE STEEPER THAN 3%
- DISPLAY RULE CONDITIONAL EXPRESSION FOR '4%_TOP_ASPHALT' COMPONENT = EXISTING SLOPE STEEPER THAN 3% AND NOT EXISTING SLOPE STEEPER THAN 4%
- SAVE THE .itl!

④ • TEST ~ REMOVE THE PROJECT TO SURFACE CONSTRAINT ON THE 'SAMPLE POINT', ZOOM IN AND REVIEW THE SLOPES.

⑤ • CREATE CORRIDOR: NAME='2LANEDISCRETEWIDENING', HORIZ.='XTWOLANE', VERT.='EXISTINGPAVE', TEMPLATE DROP='DISCRETE WIDENING'

⑥ • CREATE SURFACE: NAME='2LANEDISCRETEWIDENR', ☑ EMPTY DESIGN SURFACE, ☑ INCLUDE NULL POINTS, ☑ ADD EXTERIOR BOUNDARY: STYLE P_SURF_EXTERIOR, ☑ TRIANGULATE, ☑ REMOVE LOOPS, ☑ DISPLAY FEATURES IN PLAN VIEW, APPLY & CLOSE & SAVE='2LANE DISCRETE WIDENING RIGHT'

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