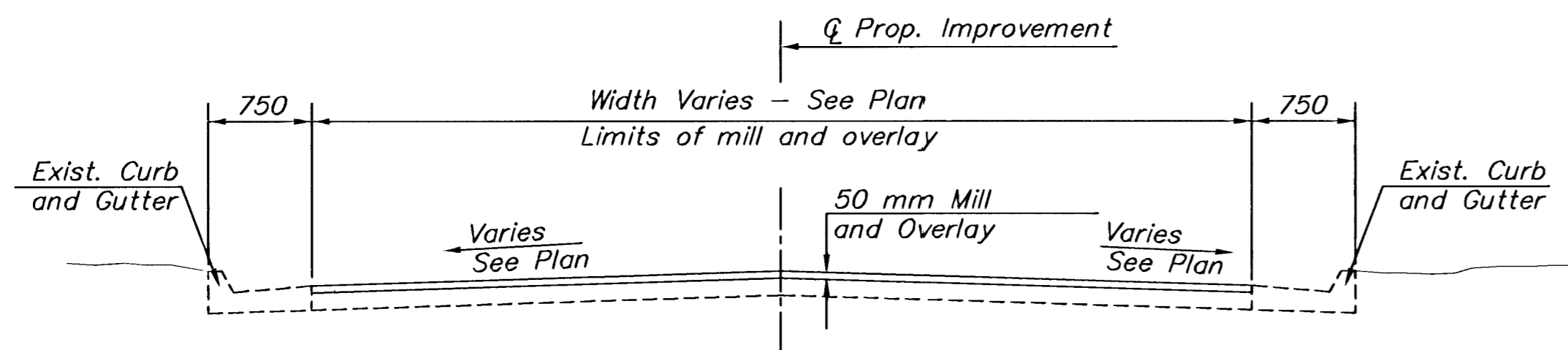
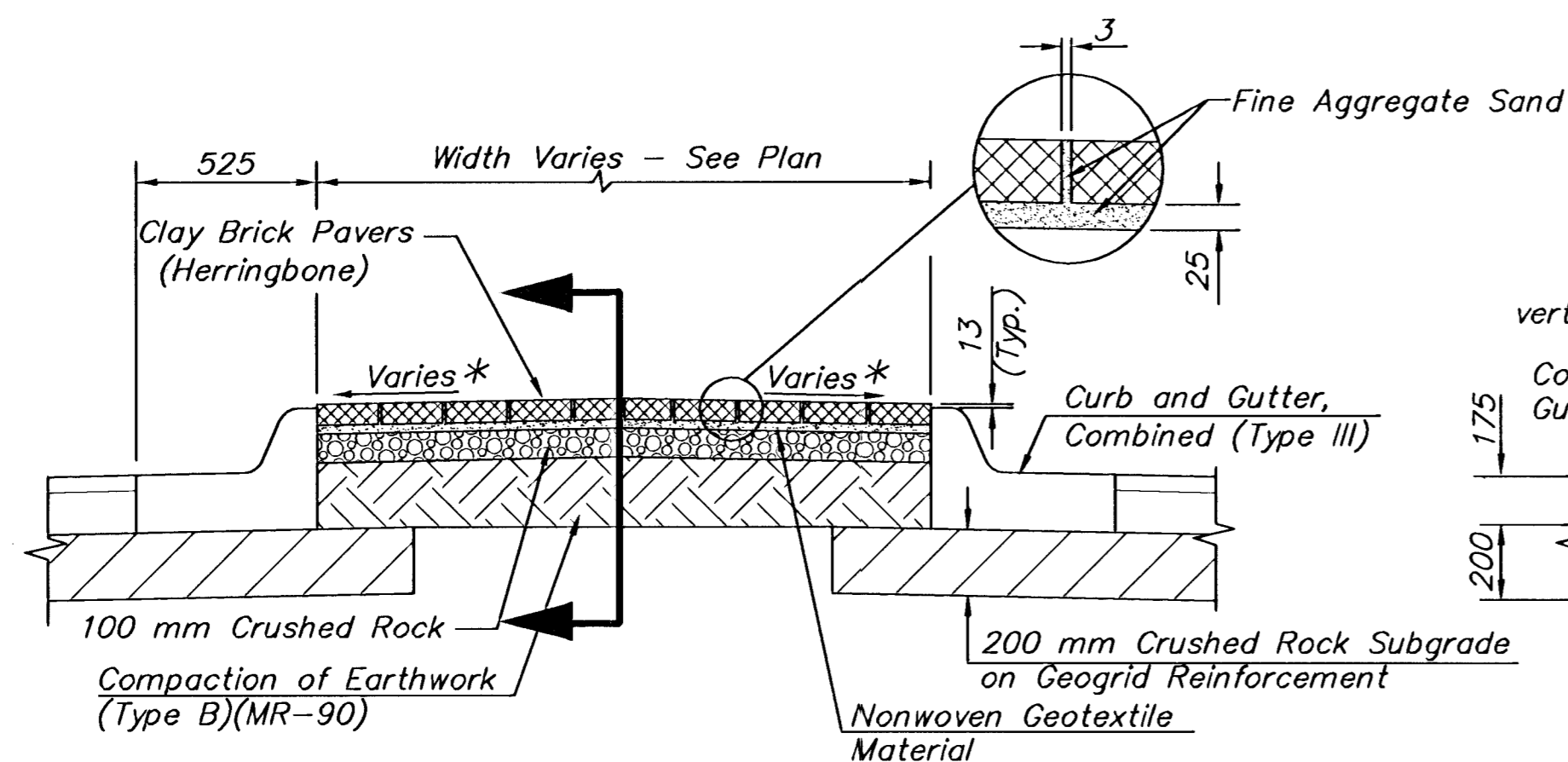


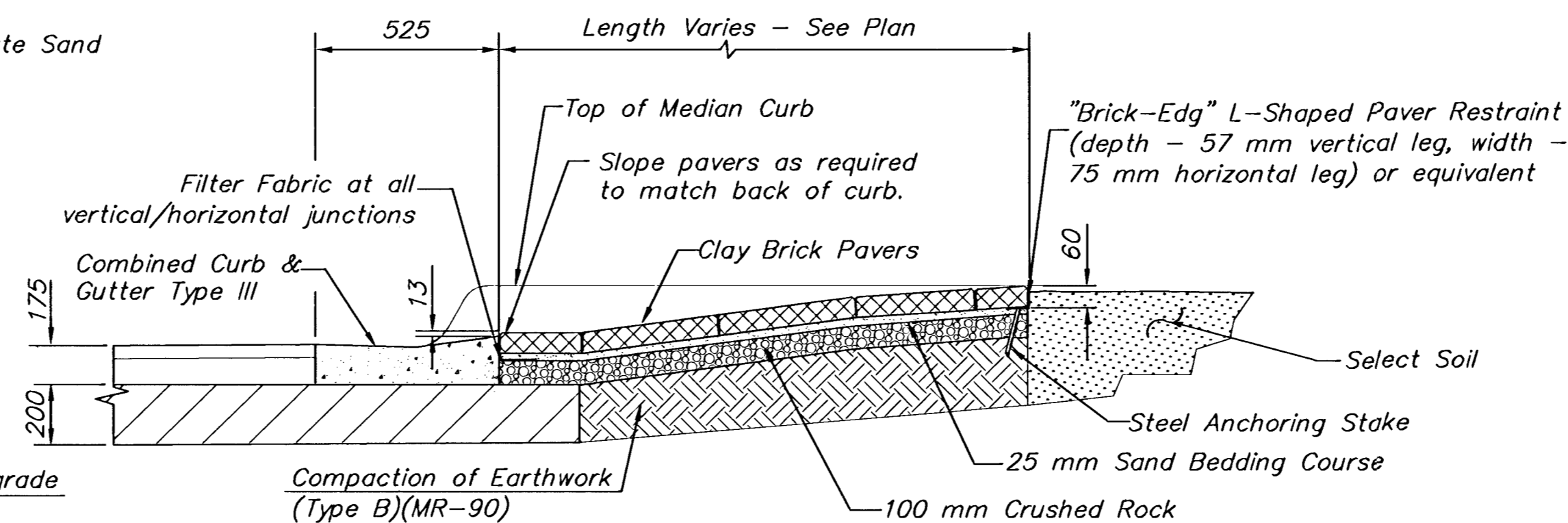
TYPICAL SECTION - SIDE ROAD  
(18th Street North, Stadium and Maplewood)



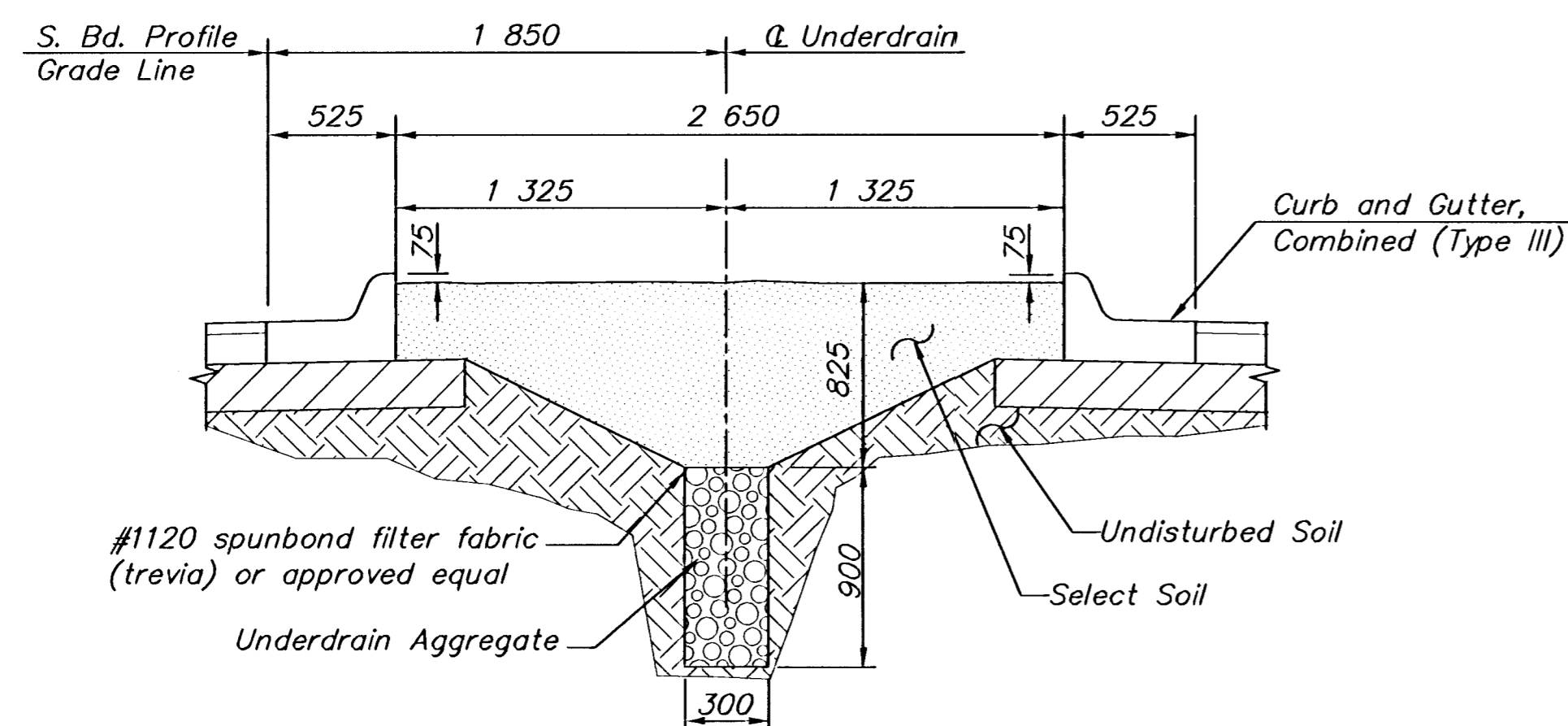
TYPICAL SECTION  
Sta. 0+693.900 to Sta. 0+770.339



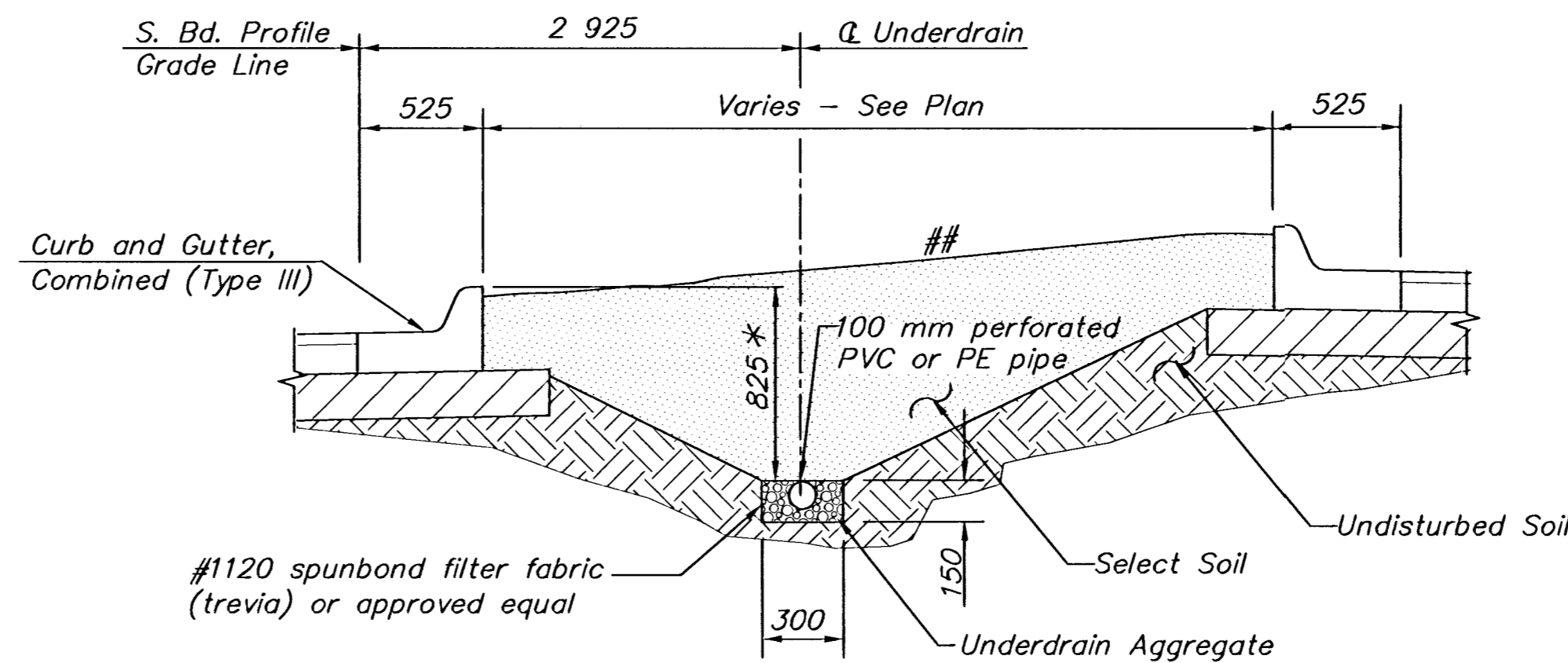
PAVING BRICK MEDIAN DETAIL



SECTION THROUGH MEDIAN NOSE

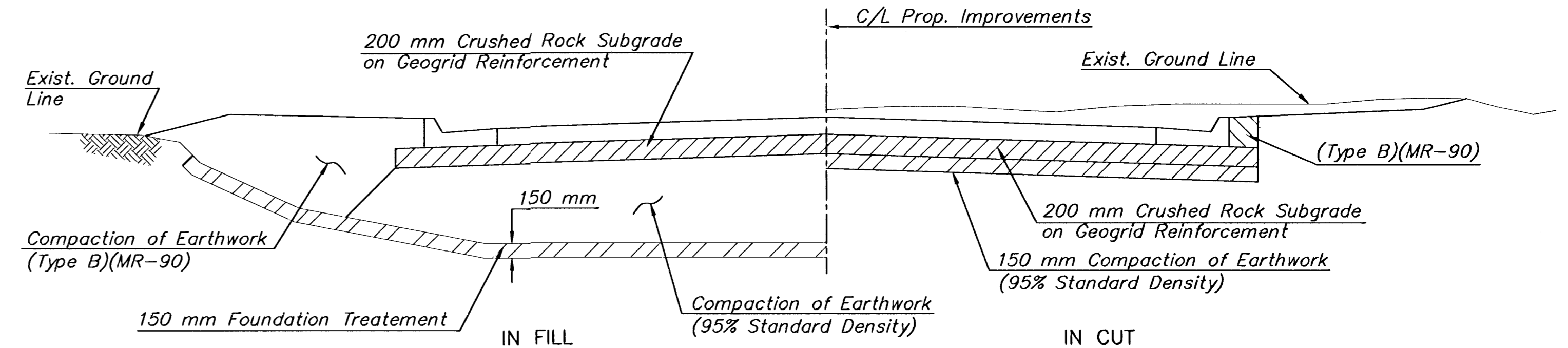


MEDIAN UNDERDRAIN DETAIL  
Sta. 0+629.229 to Sta. 0+690.969



MEDIAN PIPE UNDERDRAIN DETAIL  
Sta. 0+274.387 to Sta. 0+431.621  
Sta. 0+456.200 to Sta. 0+517.963

\* Depth of underdrain will increase as required to achieve minimum flow grade requirements.



FOUNDATION TREATMENT AND COMPACTION OF EARTHWORK

GENERAL NOTES

ASPHALT CEMENT FOR BITUMINOUS MATERIAL SHALL BE POLYMER MODIFIED PER STANDARD SPECIFICATIONS.

BITUMINOUS SURFACE COURSE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

FROM STA. 0+547.920 TO STA. 0+693.900 THE OVERLAY THICKNESS MAY VARY FROM THE NOMINAL THICKNESS OF 50 mm IN ORDER TO PROVIDE A UNIFORM CROSS-SLOPE AND MATCH THE ELEVATIONS SHOWN ON THE PLANS.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.23 LITERS PER METER BETWEEN EACH LIFT OF BITUMINOUS MATERIAL.

CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 300mm FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

CRUSHED ROCK SUBGRADE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF PAVEMENT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

CLAY BRICK PAVERS:

GEOTEXTILE MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M 288, CLASS 2 (CONTECH C-60NW OR APPROVED EQUAL). SELECT FILL MATERIAL SHALL CONSIST OF 80% CONCRETE SAND AND 20% SELECT SOIL, THOROUGHLY MIXED. THIS MATERIAL IS TO BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER.

PAVING BRICKS SHALL BE: GLEN-CERY VACUUM DRY-PRESS SOLID (UNCORED), HARD-BURNED, FROST-FREE, COMPLYING WITH PEDESTRIAN ASTM C902, CLASS SX, TYPE 1, 55.16 MP MINIMUM AVERAGE COMPRESSIVE STRENGTH, AND 5% MAXIMUM ABSORPTION. SIZE SHALL BE 100 mm X 200 mm X 60 mm. COLOR SHALL BE K & W RED. PAVERS SHALL BE BEVEL-EDGED. INSTALL IN HERRINGBONE PATTERN PERPENDICULAR TO PROJECT CENTER LINE FROM CURB BACK EDGE TO CURB BACK EDGE AS INDICATED ON PLAN. ALONG ALL OTHER MEDIAN CURB AT TIGHT RADIIUSES ON MEDIAN ENDS, CUT BRICKS INTO EVEN WEDGE SHAPES AS NECESSARY TO CREATE A NEAT CURVE. BUTT SAWED LONG EDGES TOGETHER SO AS TO CREATE THE LOOK OF ONE WEDGED SHAPED BRICK. DO NOT BUTT SAWED EDGES AGAINST AN UN-SAWED BEVELED EDGE. PAYMENT SHALL BE AT THE CONTRACT BID PRICE PER SQUARE METER FOR CLAY BRICK PAVERS.

SAND BEDDING SHALL MEET THE SPECIFICATION REQUIREMENTS FOR FINE AGGREGATE. AN UNCOMPACTED SAND LAYING COURSE SHALL BE SPREAD EVENLY OVER THE AREA TO BE PAVED AND THEN SCREED TO A LEVEL OF APPROXIMATELY 20 mm THICKNESS. ONCE SCREED AND LEVELED TO THE DESIRED ELEVATION, THE SAND LAYING COURSE SHALL NOT BE DISTURBED IN ANY WAY.

GEOTEXTILE MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M 288, CLASS 2 (CONTECH C-60NW OR APPROVED EQUAL).

SELECT MATERIAL SHALL CONSIST OF 80% CONCRETE SAND AND 20% SELECT SOIL, THOROUGHLY MIXED. THIS MATERIAL IS TO BE MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER.

PAVERS SHALL BE PLACED WITH THE CHAMFERED SIDE UP, AND JOINT SPACES KEPT UNIFORM APPROXIMATELY 3 mm THICK. THE GAPS AT THE EDGE OF THE PAVED SURFACE SHALL BE FILLED WITH PAVERS CUT TO FIT. CUTTING SHALL BE ACCOMPLISHED TO LEAVE A CLEAN EDGE TOWARD THE TRAFFIC SURFACE, USING A MASONRY SAW. WHENEVER POSSIBLE, NO CUTS SHOULD RESULT WITH A PAVER LESS THAN ONE-THIRD OF ITS ORIGINAL DIMENSION.

UNIT PAVERS SHALL BE VIBRATED TO THEIR FINAL LEVEL IN THE SAND LAYING COURSE BY TWO OR THREE PASSES OF VIBRATING COMPACTOR CAPABLE OF 3,000 TO 5,000 POUNDS COMPACTION FORCE WITH THE SURFACE CLEAN AND JOINTS OPEN.

AFTER VIBRATION, CLEAN CONCRETE SAND SHALL BE SPREAD OVER THE PAVER SURFACE, ALLOWED TO DRY, AND VIBRATED INTO THE JOINTS WITH ADDITIONAL PASSES OF THE PLATE VIBRATOR SO AS TO COMPLETELY FILL THE JOINTS. A LIGHT COATING OF SAND SHALL BE SWEEP OVER THE COMPLETED SURFACE AND LEFT TO WEATHER IN.

NONWOVEN GEOTEXTILE MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M 288, CLASS 2 (CONTECH C-60NW OR APPROVED EQUAL).

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**MKEC ENGINEERING CONSULTANTS**  
411 N. WEBB ROAD  
WICHITA, KS. 67206  
316-684-9600

**NORTH HILLSIDE STREET PAVING PLANS**  
PROJECT NAME

**TYPICAL SECTIONS**  
SHEET TITLE

JRA	DPG	JRA
DESIGN BY:	DRAWN BY:	CHECKED BY:
APRIL 2003	01053	6 / 73
DATE	JOB NO.	SHEET/OF