

WOOD GUARD RAIL REQUIRED

STATIONS	LEFT	RIGHT
540+20	44	24

CABLE GUARD RAIL REQUIRED

STATIONS	LEFT	RIGHT
540+20 TO 542+15	192	192

NEW BEING CONK PIPE CULVERTS REQUIRED

STATIONS	DIAM.	LENGTH	INVERT	OUTLET	REMARKS
541+00	48"	60'	180.00	180.00	1-
542+20	18"	48'	20	20	2-
543+00	18"	20'	20	20	2-
543+50	18"	48'	20	20	2-
542+00	18"	48'	20	20	2-

NEW VITRIFIED CLAY PIPE REQUIRED

STATIONS	DIAM.	LENGTH	INVERT	OUTLET	REMARKS
542+20	18"	48'	20	20	2-
543+00	18"	20'	20	20	2-
543+50	18"	48'	20	20	2-
542+00	18"	48'	20	20	2-

CONCRETE CURB & GUTTER REQUIRED

STATIONS	WIDTH	LENGTH	REMARKS
542+20	2'	48'	1-
543+00	2'	20'	1-
543+50	2'	48'	1-
542+00	2'	48'	1-

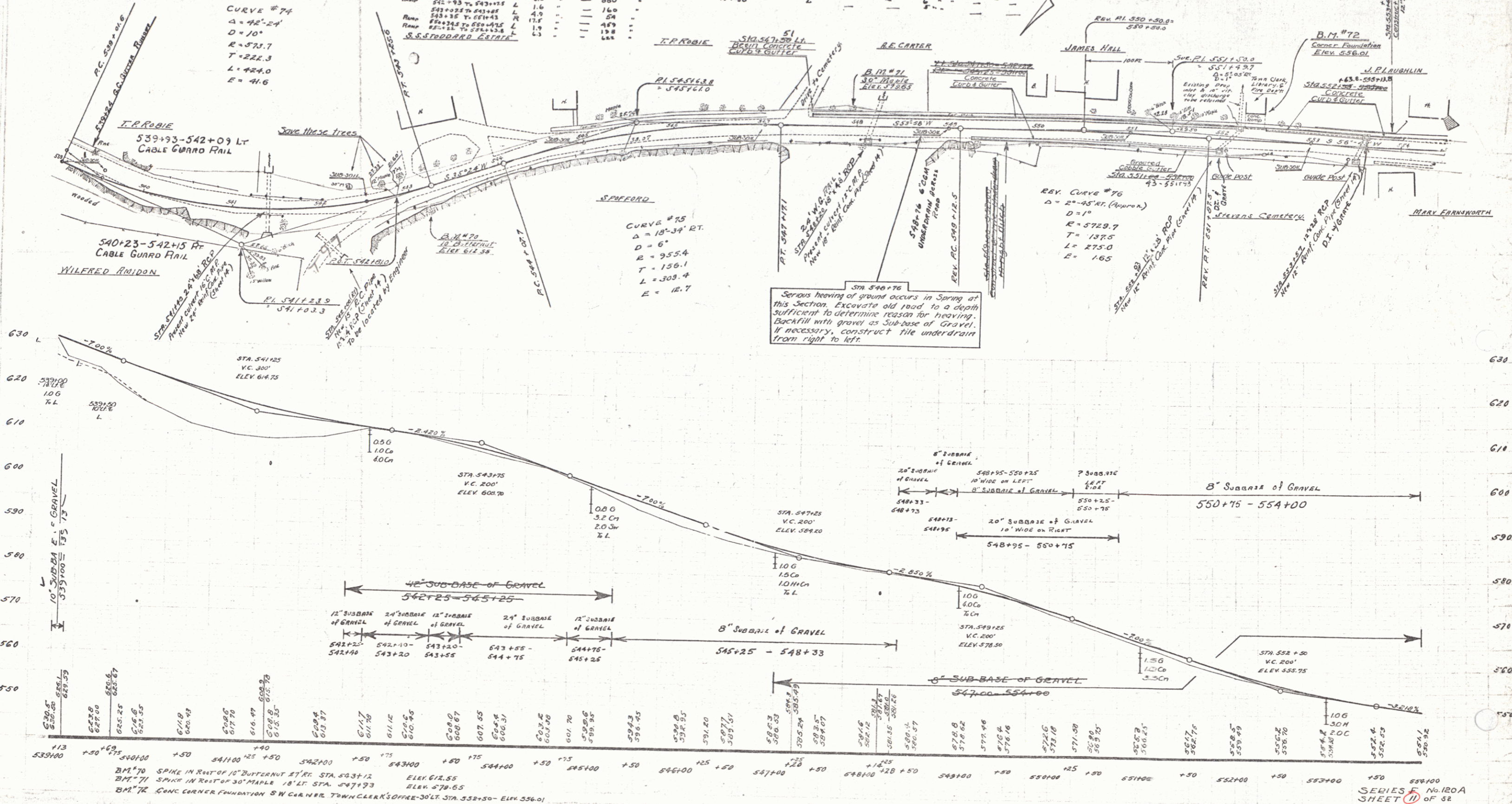
REQUIRED CABLE GUTTER REQUIRED

STATIONS	WIDTH	LENGTH	REMARKS
542+20	2'	48'	1-
543+00	2'	20'	1-
543+50	2'	48'	1-
542+00	2'	48'	1-

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CURVE #74
 $\Delta = 42^\circ 24'$
 $D = 10'$
 $R = 571.7$
 $T = 222.3$
 $L = 424.0$
 $E = 41.6$

CURVE #75
 $\Delta = 10^\circ 34' RT$
 $D = 6'$
 $R = 955.4$
 $T = 156.1$
 $L = 309.4$
 $E = 12.7$



542+76
 Serious heaving of ground occurs in Spring at this section. Excavate old road to a depth sufficient to determine reason for heaving. Backfill with gravel as Sub-base of Gravel. If necessary, construct the underdrain from right to left.

STATE OF ILLINOIS
 DEPARTMENT OF HIGHWAYS
 120-A 1930 11 52

SERIES F. No. 120A
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