lands, and shall be constructed of concrete composed by volume of one (1) Elevation of flowline at catchbasin-manhole No. 110 88.76 ft. above city datum part Portland cement, two (2) parts sand and four (4) parts of gravel or Elevation of flowline at catchbasin-manhole No. 111 89.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 112 88.60 ft. above city datum Crushed stone, mixed with sufficient water to make a quaking mass. The incrusned stone, mixed with sumcient water to make a quaking mass. The inside diameter of the manhole shall be three (3) feet from the bottom of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the radii of the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the curves at the street intersection of flowline at catchbasin-manhole No. 113 (88.43 ft. above city datum provided to be constructed, and the curves at the cu said manhole up to a horizontal plane three (3) feet below the top of the said mannois up to a military shall be uniformly decreased up- Elevation of flowline at catchbasin-manhole No. 114 90.60 ft. above city datum wards to two (2) feet at the top of the concrete, in such manner as to fit and support the cover herein provided. Side walls and bottom shall be eight (8) inches thick. Said manholes located in Burton Avenue and in lot fifty-two inches thick. Said mannotes in above city datum (52), block one (1), First Addition to Ravinia Highlands, shall be provided Elevation of flowline at catchbasin-manhole No. 117 91.13 ft. above city datum hundred ninety (390) pounds, and a solid lid weighing one hundred fifty (150) hundred ninety (390) pounds, and a solid lid weighing one hundred fifty (150) form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and shall have an ultimated form in character, fibrous, tough and ductile, and tough Williams Avenue shall be provided with a Highland Park pattern catchbasin as provided for catchbasin. The cover of the same weight and dimensions as provided for catchbasins. The average thickness of the metal in said cover shall be one and one-half (1½) inches, the height of said cover shall be nine (9) inches, and the diameter of the lid shall be twenty-two and three-quarter (22¾) inches. The average depth of covered is six (6) foot below the revenuent great and dimensions as provided for catchbasins. The levation of flowline at catchbasin-manhole No. 120 88.93 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lid shall be twenty-two and three-quarter (22¾) inches. The average depth of covered is six (6) foot below the revenuent great and dimensions as provided for catchbasins. The levation of flowline at catchbasin-manhole No. 120 88.93 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lid shall be twenty-two and three-quarter (22¾) inches. The average cover shall be a catchbasin-manhole No. 121 89.06 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lid shall be twenty-two and three-quarter (22¾) inches. The average cover shall be a catchbasin-manhole No. 121 89.06 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lapped four (4) inches when the lapped four (4) inches when the lapped four (5) for the low the lapped four (6) flowline at catchbasin-manhole No. 121 89.06 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lapped four (5) flowline at catchbasin-manhole No. 121 89.06 ft. above city datum all joints, adjacent pieces of said fabric shall be lapped four (4) inches when the lapped four (5) flowline at catchbasin-manhole No. 122 89.06 ft. above city datum all joints, adjacent pieces of said fabric shall be all joints and cover shall be all joints at catchbasin-manhole No. 122 89.06 ft. above city datum all joints are catchbasin-manhole

the internal diameter; all of said tile pipes, fifteen (15) inches in diameter and upwards, shall be double strength; said drains laid under the pavement herein provided shall be laid with joints of mortar composed by volume of Elevation of flowline for outlet drain at manone (1) part Portland cement and two (2) parts sand, mixed with sufficient water to make a quaking mass, and the trenches shall be backfilled with sand from the bottom of the trench to the surface of the prepared sub-grade, Elevation of flowline at headwall ravine north and all surplus excavated materials shall be removed from the site of the improvement. All the tile pipe drains herein provided and laid in the park- Elevation of flowline manhole in Burton Aveways shall be laid with open joints, and the trenches shall be backfilled with earth; said backfill shall be thoroughly flushed and all surplus excavated ma- Elevation of flowline at headwall south of terials shall be removed from the site of the improvement. Said drains shall be laid along lines parallel with and two (2) feet from the back of the curbs | Elevation of flewline of concrete culvert in as measured toward the property lines, except at catchbasins, catchbasinmanholes and manholes, where they shall curve toward the center line of the Elevation of flowline of concrete culvert in Raherein provided pavement; the curve shall begin fifteen (15) feet on each side of said catchbasin, catchbasin manholes and manholes. Where said drains join the culverts, there shall be provided openings in said culverts for said drains. All the outlet drains herein provided shall be laid with open joints and the trenches backfilled with earth, thoroughly flushed, and all surplus excavated materials removed from the site of the improvement; said drains shall be laid along the lines described above. The depth of the pipes in all instances refers to the depth of the flow line of said pipes. Said tile pipes shall connect to the herein provided catchbasins, catchbasin-manholes, manholes and culverts in such a manner as properly to drain the proposed improvement. All free ends of the tile pipe drains shall be closed with a tile

The elevations of said drains are as follows: BURTON AVENUE: Elevation of flowline at catchbasin-manhole No. 10 83.00 ft. above city datum ed by volume of one (1) part Portland cement and two (2) parts of sand. to line and grade; Elevation of flowline at catchbasin-manhole No. 12 84.14 ft. above city datum quaking mass. The bottom of the walls shall be three (3) feet below the brought to the established grade by means of a strike-board or lute, until Elevation of flowline at catchbasin-manhole No. 13 85.55 ft. above city datum flowline of outlet pipe or culvert where located. All necessary excavating all voids are removed and the concrete is thoroughly compacted. Elevation of flowline at catchbasin-manhole No. 14 95.00 ft. above city datum shall be made and the holes around said headwalls shall be backfilled with Elevation of flowline at catchbasin-manhole No. 15 94.5 ft. above city datum earth and all surplus excavated material shall be removed from the site of hand roller having a smooth even surface approximately six (6) feet in Elevation of flowline at catchbasin-manhole No. 16 92.82 ft. above city datum the improvement. The dimensions of said headwalls shall be as follows: Elevation of flowline at catchbasin-manhole No. 17 92.20 ft. above city datum Elevation of flowline at catchbasin-manhole No. 18 91.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 19 91.00 ft. above city datum Elevation of flowline at catchbasin-manhole No., 20 87.75 ft. above city datum Elevation of flowline at catchbasin-manhole No. 21 88.72 ft. above city datum Elevation of flowline at catchbasin-manhole No. 22 87.10 ft. above city datum Elevation of flowline at catchbasin-manhole No. 23 86.40 ft. above city datum Elevation of flowline at catchbasin-manhole No. 24 85.40 ft. above city datum Elevation of flowline at catchbasin-manhole No. 25 (86.40 ft. above city datum

Elevation of flowline at eatchbasin-manhole No. 26 93.50 ft. above city datum Elevation of flowline at catchbasin-manhole No. 27 94.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 28 91.30 ft. above city datum Elevation of flowline at catchbasin-manhole No. 29 93.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 30 97.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 31 92.06 ft. above city datum Elevation of flowline at catchbasin-manhole No. 32 (90.86 ft. above city datum

Elevation of flowline at catchbasin-manhole No. 33 (92.74 ft. above city datum Elevation of flowline at catchbasin-manhole No. 34 (92.23 ft. above city datum

Elevation of flowline at catchbasin-manhole No. 35 86.16 ft. above city datum Elevation of flowline at catchbasin-manhole No. 36 85.74 ft. above city datum Elevation of flowline at catchbasin-manhole No. 37 86.36 ft. above city datum Elevation of flowline at catchbasin-manhole No. 38 85.95 ft. above city datum Elevation of flowline at catchbasin-manhole No. 39 83,34 ft. above city datum Elevation of flowline at catchbasin-manhole No. 40 83.65 ft. above city datum Elevation of flowline at catchhasin-manhole No. 41 83.40 ft. above city datum Elevation of flowline at catchbasin-manhole No. 42 83.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 43 (88.00 ft. above city datum

Elevation of flowline at catchbasin-manhole No. 44 86.32 ft. above city datum Elevation of flowline at catchbasin-manhole No. 45 87.10 ft. above city datum Elevation of flowline at catchbasin-manhole No. 46 88.15 ft. above city datum Elevation of flowline at catchbasin-manhole No. 47 87.58 ft. above city datum Elevation of flowline at catchbasin-manhole No. 48 90.15 ft. above city datum Elevation of flowline at catchbasin-manhole No. 49 90.88 ft. above city datum Elevation of flowline at catchbasin-manhole No. 50 90.08 ft. above city datum Elevation of flowline at catchbasin-manhole No. 51 90.08 ft. above city datum Elevation of flowline at catchbasin-manhole No. 52 88.60 ft. above city datum Elevation of flowline at catchbasin-manhole No. 53 89.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 54 89.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 55 (88.6 ft. above city datum to the existing catchbasin manhole in Broadview Avenue at Crawford Place

Elevation of flowline at catchbasin-manhole No. 57 86.54 ft. above city datum menting the same in place; the mortar used shall be composed by volume of Elevation of flowline at catchbasin-manhole No. 58 84.85 ft. above city datum one (1) part Postland cement and two (2) parts sand, mixed with sufficient Elevation of flowline at catchbasin-manhole No. 59 85.06 ft. above city datum water to make a quaking mass. Elevation of flowline at catchbasin-manhole No. 60 85.26 ft. above city datum Elevation of flowline at catchbasin-manhole No. 64 89.20 ft. above city datum of the improvement Elevation of flowline at catchbasin-manhole No. 65 88.60 ft. above city datum Elevation of flowline at catchbasin-manhole No. 70 (94.13 ft. above city datum | material shall be removed from the site of the improvement.

Elevation of flowline at catchbasin-manhole No. 83 96.00 ft. above city datum | the improvement Elevation of flowline at catchbasin-manhole No. 84 (95.60 ft. above city datum Elevation of flowline at catchbasin-manhole No. 85 97.60 ft. above city datum pavement, shall be delivered at the place where it is to be used.

Elevation of flowline at catchbasin-manhole No. 93 94.62 ft. above city datum excavated materials shall be removed from the site of the improvement. Elevation of flowline at catchbasin-manhole No. 94 (95.22 ft. above city datum

Elevation of flowline at catchbasin-manhole No. 98 94.60 ft. above city datum | the average end area method. Elevation of flowline at catchbasin-manhole No. 99 95.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 100 97.90 ft. above city datum Elevation of flowline at catchbasin-manhole No. 101 (93.00 ft. above city datum

Elevation of flowline at catchbasin-manhole No. 104 92.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 105 90.50 ft. above city datum preser Elevation of flowline at catchbasin-manhole No. 106 86.92 ft. above city datum walk.

The manholes herein provided shall be constructed over and around the Elevation of flowline at catchbasin-manhole No. 107 87.46 ft. above city datum The manholes herein provided shall be constituted over all all the distribution of flowline at catchbasin-manhole No. 107 87.46 ft. above city datum tile pipe drains in Roger Williams Avenue and outlet drains in Burton Avenue at catchbasin-manhole No. 108 87.60 ft. above city datum Elevation of flowline at catchbasin-manhole No. 109 88.00 ft. above city datum nue and in lot fifty-two (52), block one (1), First Addition to Ravinia High-Elevation of flowline at catchbasin-manhole No. 115 91.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 116 (91.50 ft. above city datum

192.00 ft. above city datum

OUTLET DRAINS

hole lot fifty-two (52), block one (1), First Addition to Ravinia Highlands of Roger Williams Avenue Bellevue Place

Ravine Road at westerly end vinia Road at easterly end Elevation of flowline of concrete culvert in Burton Avenue and easement lot thirty-five

westerly curb Elevation of concrete culvert in Burton Avenue and easements in said lot thirty-five (35) at

(35), block one (1), Ravinia Highlands, at

easterly end of said culvert The concrete for the herein provided culverts shall be composed by volume of one (1) part Portland cement, two (2) parts sand and four (4) parts surface of the pavement. mass. The inside dimensions shall be two (2) feet high and three (3) feet line of and from end to end of said concrete pavement, by the installation one (1) part Portland cement, two (2) parts sand, mixed with sufficient wide; the top slab and sidewalls shall be eight (8) inches thick, the bottom of a sixteen (16) gauge iron plate seven and one-half (7½) inches wide after six (6) inches thick. Each culvert shall be closed at the westerly end by a being pressed into shape, except in Roger Williams Avenue, where there six (6) inch concrete slab, except that there shall be provided an opening shall be constructed one (1) longitudinal trapezoidal joint, dividing the pavefor a twelve (12) inch tile pipe at the westerly end of the culvert in Ravinia ment from face to face of curbs in two (2) equal parts. The face of the Road. The length of the concrete culvert in Ravinia Road shall be two hun- concrete pavement on one side of said trapezoidal joint shall be painted with 2 79.00 ft. above city datum dred forty-five (245) feet. The length of the concrete culvert across Burton bituminous cement before the concrete pavement on the other side of the 85.00 ft. above city datum Avenue and easement lot thirty-five (35), block one (1), Ravinia Highlands, 86.00 ft. above city datum shall be one hundred eighty (180) feet. All necessary excavating shall be (%) inch round, deformed steel bars four (4) feet in length, spaced five (5) 87.7 ft. above city datum made and all surplus excavated materials after backfilling shall be removed. feet apart, center to center, and four and one-quarter (414) inches below

88.30 ft. above city datum tion of said headwall shall be composed by volume of one (1) part Portland Avenue, where it shall be placed four (4) inches below the surface of the 88.40 ft. above city datum cement, two (2) parts sand and four (4) parts gravel or crushed stone; the pavement. Said bars shall extend two (2) feet into the concrete on each 88.00 ft. above city datum exposed surface after backfilling to a depth of one (1) inch shall be compos- side of said longitudinal joints. Said V-shaped joints shall be securely staked 11 83.55 ft. above city datum Both mortar and concrete shall be mixed with sufficient water to make a

One (1) headwall, located in the south parkway of Ravinia Road at the westerly right of way line of the Chicago & Northwestern Railway Company, with an opening for a two (2) foot by three (3) foot, inside dimensions, culvert; the length of said headwall shall be nine (9) feet, the height eight (8) feet; top one (1) foot three (3) inches wide; bottom three (3) feet six (6) inches wide, containing five and eight-tenths (5.8) cubic yards of concrete. Said headwall shall be constructed integral with said culvert.

One (1) headwall, located in the ravine north of Roger Williams Avenue, with ppening for a thirty (30) inch inside diameter tile pipe. The length of said headwall shall be ten (10) feet, the height seven (7) feet, top one (1) foot three (3) inches wide, bottom three (3) feet six (6) inches wide, containing five and sixteen hundredths (5.16) cube yards of concrete.

One (1) headwall, located in lot thirty-five (35), block one (1). Ravinia Highlands, at the westerly right of way line of the Chicago & Northwestern Railway Company, with opening for a two (2) foot by three (3) foot, inside dimensions, concrete culvert. The length of said headwall shall be nine (9) feet, the height eight (8) feet, top one (1) foot three (3) inches wide, bottom three (3) feet six (6) inches wide, containing five and eighty-one hundredths (5.81) cube yards of concrete. Said headwall shall be constructed integral with said culvert.

One (1) headwall located in ravine south of Bellevue Place, with opening for a twenty-two (22) inch inside diameter tile pipe; the length of said headwall shall be ten (10) feet, the height six (6) feet, top one (1) foot three (3) inches wide, bottom three (3) feet wide, containing four and thirty-two hundredths (4.32) cubic yards of concrete.

Thirty (30) valve vault covers on the site of the herein provided improvement shall be adjusted to the new grade herein provided for, by building up or by tearing down of the existing masonry, so the tors of said covers will be flush with the established new grade of the pavement or surface of the ground where located. Sixty-three (83) manhole covers on the site of the herein provided

improvement shall be adjusted to new grade herein provided for, by building us or by tearing down of the existing masonry, so the top of said covers will be flush with the established new grade of the pavement or surface of the ground where located. There shall bit removed ninety (90) lineal feet of existing concrete curb

Ravinja Road where the herein provided concrete pavement in Burton Avenue joins the existing pavement in said Ravinia Road. There shall be made one (1) connection of a twelve (12) inch tile pipe IN CRAWFORD PLACE by breaking a hole in the wall of said catchbasin-manhole at an elevation of Pleasant Avenue with the center line of said Crawford Place. Elevation of flowline at catchbasin-manhole No. 56 86.85 ft. above city datum ninety-nine (99.0) feet and inserting said twelve (12) inch tile pipe and ce- IN BELLEVUE PLACE

One (1) existing catchbasin in Ravinia Road shall be abandoned, the out-Elevation of flowline at catchbasin-manhole No. 61 84.85 ft. above city datum let pipe disconnected and said catchbasin filled with sand from the bottom Avenue opposite the intersection of the north line of said Roger Williams Elevation of flowline at catchbasin-manhole No. 62 86.60 ft. above city datum of said catchbasin to the top of the prepared sub-grade for the herein pro-Elevation of flowline at catchbasin-manhole No. 63 87.10 ft. above city datum vided concrete payement; the existing cover shall be removed from the site IN HIGHLAND PLACE

All trees within the lines of the proposed pavement and two (2) feet Road with the center line of said Highland Place. Elevation of flowline at catchbasin-manhole No. 66 90.41 ft. above city datum outside of said lines shall be cut down, and the stumps grubbed out to a IN WASHINGTON PLACE Elevation of flowline at catchbasin-manhole No. 68 92.30 ft. above city datum out of said stumes shall be backfilled with sand, thoroughly tamped in place. Road with the center line of said Washington Place. Elevation of flowline at catchbasin-manhole No. 69 93.68 ft. above city datum All wood and brush from the trees and stumos and all surplus excavated IN BLACKSTONE PLACE

Elevation of flowline at catchbasin-manhole No. 71 (94.45 ft. above city datum sary ten thousand five hundred (10,500) square feet of concrete sidewalk IN NORTHMOOR ROAD approaches. The body concrete for said walks shall be four (4) inches thick, Elevation of flowline at catchbasin-manhole No. 72 95.48 ft. above city datum and shall be composed by volume of one (1) part Portland cement, two (2) Road with the center line of said Northmoor Road. Elevation of flowline at catchbasin-manhole No. 73 96.50 ft. above city datum parts sand and five (5) parts gravel or crushed stone, mixed with sufficient IN FLORA PLACE water to make squaking mass; the exposed portion to a depth of one-half Station 0+0 deno Elevation of flowline at catchbasin-manhole No. 75 96.83 ft. above city datum (1/2) inch shall be constructed of mortar composed by volume of two (2) with the center line of said Flora Place. Elevation of flowline at catchbasin-manhole No. 76 99.60 ft. above city datum parts Portland coment and three (3) parts sand, mixed with sufficient water Elevation of flowline at catchbasin-manhole No. 77 98.50 ft. above city datum to make a quaking mass. Said sidewalk approaches shall be laid on a layer Elevation of flowline at catchbasin-manhole No. 78 100.15 ft. above city datum of cinders six (62 inches thick, after being thoroughly compacted. The width and so forth. Elevation of flowline at catchbasin-manhole No. 79 97.17 ft. above city datum of said sidewalk approaches shall be five (5) feet, except at the present side-Elevation of flowline at catchbasin-manhole No. 80 97.97 ft. above city datum walk, where they shall be widened so as to meet the present walks at right BURTON AVENUE. Flevation of flowline at catchbasin-manhole No. 81 96.00 ft. above city datum angles. All exceptation and grading for said sidewalk approaches shall be Elevation of flowline at catchbasin-manhole No. 82 96.80 ft. above city datum done, and all supplus excavated material shall be removed from the site of

Seven hundred fifty (750) cubic yards of sand, to be used for backfilling

Elevation of flowline at catchbasin-manhole No. 86 98.00 ft. above city datum Elevation of flowline at catchbasin-manhole No. 87 101.20 ft. above city datum Elevation of flowline at catchbasin-manhole No. 88 94.94 ft. above city datum Place and Northmoor Road, six hundred (600) square yards of macadam Elevation of flowline at catchbasin-manhole No. 89 94.94 ft. above city datum pavement; said savement shall be twelve (12) inches thick, bonded with four Elevation of flowline at catchbasin-manhole No. 90 93.08 ft. above city datum (4) gallons of Thrvia, or its equal, for each square yard of pavement surface, Elevation of flowline at catchbasin-manhole No. 91 93.39 ft. above city datum and the top shall be dressed with a one-half (1/4) inch layer of one-quarter Elevation of flowline at catchbasin-manhole No. 92 95.50 ft. above city datum (14) inch grave. The necessary excavation shall be done and all surplus

The excavation, grading and preparing the sub-grade herein provided for shall consist of clearing and grubbing out of brush and trees four (4) inches Elevation of flowline at catchbasin-manhole No. 95 (94.22 ft. above city datum in diameter or last, the grading of the roadway and parkways herein provided to be constructed forming of embankments or fills, shaping, sloping, rolling Elevation of flowline at catchbasin-manhole No. 96 (93.90 ft. above city datum and compacting necessary to bring the roadway and parkways to the proper elevation and lines provided herein, and the necessary excavation for culverts Elevation of flowline at catchbasin-manhole No. 97 92.24 ft. above city datum and headwalls. All excavation shall be measured in its original position by

The portion of the street in which the pavement is to be constructed as provided by this ordinance shall be so graded that after being rolled with a Elevation of flowline at catchbasin-manhole No. 102 92.04 ft. above city datum
Elevation of flowline at catchbasin-manhole No. 103 91.69 ft. above city datum
Elevation of flowline at catchbasin-manhole No. 103 91.69 ft. above city datum
Elevation of flowline at catchbasin-manhole No. 104 92.00 ft. above city datum

be so graded that the finished surface of the ground of said parkways will present an even slope from the top of the curbs to the surface of the nearest

Said parkways shall be leveled and hand-raked, and to one (1) foot below the finished grade of said parkways. All surplus excavated material shall be removed from the site of the

Upon the sub-grade as above prepared shall be constructed a one (1) course reinforced concrete pavement. The width of the pavement her tions and turn-arounds, shall be as hereinbefore provided for.

The pavements shall be eight (8) inches in thickness, and the con

shall be composed by volume of one (1) part Portland cement, two (2) part sand and three and one-half (31/2) parts gravel or crushed stone, mixed w sufficient water to make a quaking mass. Said concrete pavement shall he reinforced with steel wire fabric in such quantity and of such a weight shall provide forty (40) pounds of effective steel wire fabric for each depth of concrete is six (6) feet below the pavement grade or surface of the Elevation of flowline at catchbasin-manhole No. 123 91.02 ft. above city datum pavement; the steel wire fabric shall have an effective cross-sectional area Elevation of flowline at catchbasin-manhole No. 123 91.02 ft. above city datum of not less than 0.086 square inch per lineal foot of pavement length, com-The herein provided drains shall be of vitrified, salt-glazed, hub and spigot tile pipes. The dimensions given in the description of said drains indicates the cross-sectional area of the effective steel with the control of the control of flowline at existing catchbasin.

Recognized to the control of the c not exceed six (6) inches; the cross-sectional area of the effective steel win fabric per lineal foot of pavement width, shall not be less than 0.026 square inch, and the spacing of these members shall not exceed twelve (12) inch The crown shall be two-tenths (0.2) of a foot in all streets except in Roger Williams Avenue, where the crown shall be four-tenths (0.4) of a foot.

The concrete materials for said pavement herein provided to be const ed shall be mixed in a batch mixer. Said mixer shall be equipped with an accurate automatic water measuring device, and also with an automatic tim-ing device; the mixing shall continue in the drum of said mixer for not less than one (1) minute.

There shall be constructed in said proposed concrete pavement eighths (%) inch asphaltic felt transverse expansion joints, normal to the center line of said pavement, and spaced thirty (30) feet apart, extending from the bottom of said pavement to one-half (1/2) inch above the top said pavements, and from face to face of curbs. Said expansion joints si be provided with three-quarter (%) inch smooth, round steel bars two (2 feet long, spaced two (2) feet apart, embedded in the concrete and exten sixteen (16) inches into the concrete on one side of the joint, and the remaining shorter portion of said steel bars, before embedded in the concrete on the other side of the joints, shall be coated with cup grease and inse in a one (1) inch inside diameter pasteboard or tin pipe, ten (10) inches long. one end of which shall be closed in such manner as to keep the concrete out and provide an open space at least one (1) inch in length in which the bar may slide; said bar shall be placed not less than four (4) inches below the

There shall be constructed a longitudinal V-shaped joint along the center joint is laid. Said Jongitudinal joints shall be provided with five-eighths 88.03 ft. above city datum The following headwalls shall be constructed of concrete: The body por-

After the concrete has been deposited it shall be leveled off, tamped and

Immediately after the final tamping the concrete shall be rolled with length, not less than eight (8) inches nor more than twelve (12) inches in diameter, and weighing not more than one hundred (100) pounds. As an alternative to rolling, the concrete may be floated. For floating a

longitudinal wooden float may be used. Said float shall be constructed of three (3) inch by twelve (12) inch plank six (6) feet long. The edges shall be rounded off to a three (3) inch radius. The finishing side shall be planed so as to have a smooth surface or shall be finished with sheet metal. After the rolling or floating has been completed the surface shall be

scraped free of all latent material; it shall then be belted, and just before the concrete obtains its initial set, it shall be given a final belting to produce uniform surface of gritty texture. As an alternative to hand-tamping, floating, rolling and belting, a finishing machine may be used, of a design approved by the engineer.

As soon as the surface of the concrete is sufficiently hardened to prevent pitting, it shall be sprinkled with water, and it shall be kept wet until the calcium chloride herein provided for curing is placed thereon. As soon as it can be done without marring the concrete, the surface of the pavement shall have evenly spread thereon two (2) pounds of calcium chloride to each square vard of pavement. The finished grade for the center line of the concrete pavement here

provided shall be at the following elevations above the City of Highland Park's datum opposite said stations: The stations are marked as follows:

IN BURTON AVENUE NORTH OF ROGER WILLIAMS AVENUE Station 0+0 denotes the intersection of the center line of said Burton Avenue with the southerly curb in Ravinia Road. IN BURTON AVENUE SOUTH OF ROGER WILLIAMS AVENUE

Station 0+0 denotes a point on the center line of Burton Avenue opposit the intersection of the easterly line of said Burton Avenue with the south line of said Roger Williams Avenue. IN PLEASANT AVENUE Station 0+0 denotes a point on the center line of said Pleasant Avenue

opposite the intersection of the easterly line of said Pleasant Avenue with the west line of section twenty-five (25), township forty-three (43) north, range twelve (12) east of the third principal meridian. IN BROADVIEW AVENUE Station 0+0 denotes a point on the center line of said Broadview Avenue opposite the intersection of the easterly line of said Broadview Avenue

with the east line of section twenty-six (26), township forty-three (43) north, range twelve (12) east of the third principal meridian. IN ALVIN PLACE Station 0+0 denotes the intersection of the westerly line extended of Burton Avenue with the center line of said Alvin Place.

Station 0+0 denotes the intersection of the westerly line extended of Station 0+0 denotes the intersection of the westerly line extended

Burton Avenue with the center line of said Bellevue Place. IN ROGER WILLIAMS AVENUE Station 0+0 denotes a point on the center line of said Roger Williams

Avenue with the easterly line of Green Bay Road. Station 0+0 denotes the intersection of the easterly line of Green Bay

Elevation of flowline at catchbasin-manhole No. 67 92.03 ft. above city datum depth of one (1) foot below the sub-grade. The holes formed by grubbing Station 0+0 denotes the intersection of the easterly line of Green Bay

Station 0+0 denotes the intersection of the center line of Green Bay. There shall be constructed at the street corners and where else it is neces- Road with the center line in said Blackstone Place. Station 0+0 denotes the intersection of the easterly line of Green Bay

Station 0+0 denotes the intersection of the center line of Blackstone Place

Station 1+0 denotes a point one hundred (100) feet from Station 0+0. Station 2+0 denotes a point two hundred (200) feet from Station 0+4 Station 2+60 denotes a point two hundred (200) feet from Station 0+0.

М	BUR	ron	AVENUE:	1.8	- 4	_		7.00
2	Static	on 0-	+0 at present pavement in Road	Elevation	84.40	above	City	of High
			1+0 is one hundred (10	0)	9	2551374		1,100
,	ne se	errior	feet south of	u %	88.30		- 64	
9		44	2+0	44 10	89.60		- 44	
	. 44	44	3+0	44	91.20		4	1.1
ı,	u	64	4+0	44 (5	93.40		44	
۲,	- 41	*	5+0		94.30		- 46	- 619
1	ec	44	6+0	44	90.05		44	- 33
t,	44		7+0	4 (1)	93.39		46	1.5
,	44	4	8+0	44 億	94.25	ilv 9	. 46	1135
r	46	44	9+0	# H GE	95.75	100	a	1 12
5.	44	46	10+0	44 (8)	96.50		44	
ij	44	44	11+0	u	95.75	2	a	1.00
r	46	44	12+0		94.13		. 44	- 13
ĸ.	86	44	13+0	# #	91.85		46	* *13
1	44	- 66	14+0		89:56		44	1.45
ζ	- 66	44	14+88 north line Beverly	1				1.0
r	200		Place extended		88.13		46	
8	At t	he h	erein provided pavement	in i			4. 14.	
7			Williams Avenue		2000			
H			0-21		90.95		66	
B		46	0+0	и	91.00		44	- 41-3
ı.	#	44	1+0		91.70		44	1.0
1	44	44	2+0	# 2	92.80	ent stand	41	
1	144	46	3+0		94,10	5/8/2	- 46	200
		**	4+0		95.40	All The say	1 4	
1	**	a	5+0	44	96.60	A Plan	46.	1
1	4		6+0		97.25			
t	- 44	44	7+0	44	96.80	100	- 44	
ġ	4	u	8+0	#	95.80		44	1.00