AHAI

28.00

362.50

te pavement at the east line et ly five hundred forty (540) feet in addition, a "Y" turnaround at and including the street return ht angles to the west line of said Lot 5, First Addition to Ravinia roposed concrete pavement at the

with the existing concrete paves said Dell Lane to and connecting at in said Dell Lane at a line at Lane at the point of tangency is

ecting with the herein preposed incolnwood Road, thence west in (290) feet, including, in addition asant Court;

asant Court; ating, filling, preparing the and ling, adjusting manhole and valralk approaches, moving fire he mbined catchbasin manholes and constructing reinforced concrete e culverts with headwalls, con constructing feinforced concrete oncrete guard posts, paving with -one '(21)' feet in width across sinforced concrete, roadways; the of integral curbs, of said con LINCOLNWOOD ROAD twenty E, from Braeside Road north in at twenty-eight (28) feet; from fifty-five and four-tenths (55.4) line of County Line Road, forty NVILLE ROAD and LAKESIDE GE' ROAD, BRAESIDE ROAD URT, CAROL COURT, DELTA LANE, nineteen (19) feet; exere the roadways shall be widen rotecting, cleaning said proposed necessary easements, construct ections in County Line Road at noving all surplus excavated malabor, material, and expenses rovement in a workmanlike maned improvement being more fully

1. File No. H: P. 8643; Plate 2 P. 8645; Plate 4, File No. H. P. 6, File No. H. P. 8648; Plate 7 P. 8650; Plate 9, File No. H. P. e 11, File No. H. P. 8653; Plate o. H. P. 8655; Plate 14, File No. : Plate 16, File No. H. P. 8658 le No. H. P. 8660; Plate 19, Fa 8659-A; Plate 20, File No. H. P. e 22, File No. H. P. 8723; Plate . H. P. 8722; Plate 25, File No. : Plate 27, File No. H. P. 8714; le No. H. P. 8724; Plate 30, File 26; Plate 32, File No. H. P. 8727 of Lake, and State of Illinois, improvement, not including the labor, materials, and all lawful of three hundred eight thousand

way and integral curb, ish and trees six (6) g, preparing the sub-acadam pavements and moved shall be classed d parkway are brought se excavated materials ed curverts, to the exup to the established his excavated readway cut, at \$1.40 per cubic

ways, including clearall surplus excavated cut, at \$1.40 per cubic

\$ 27,300.00

west side Dell Lane. east side Dell Lane. ts and walls, Lincoln-

t, south ravine, Lakeravine, east side Lakenorth ravine, west side in south ravine, west

ulvert in Brownville at in Brownville Road. north side Brownville

south side Brownville south side Brownville

north side Brownville pacrete pavement (the back of integral curb); ent shall be composed cement, two (2) parts arts gravel or crushed make a quaking mass. ith forty (40) pounds one handred (100) this (%) inch bitumts shall be constructt, extending from top transverse expansion arter (%) inch round, ength, spaced two (2) end of each of said inches into the conthe other end of the phalt so as to form a ths (1-16) inch thick %) inch thick on the pezoidal shaped joint ter line from end to JOHN'S AVENUE, rce Road, where there titudinal joints dividf curbs in four (4) to County Line Road, (2) longitudinal en faces of curbs in hall be made by the en (18) gauge metal) inch round, deform-

e center of said bars nd four and one-quarf said concrete pave-2) feet into the conlinal joint; including alf (21/2) pounds caltecting and cleaning 0 per square yard ... 126,567.00 crete curb built intehe width of the curb aid curb shall be six above the surface of nes, and the exposed for the curb shall be art Portland cement, one-half: (31/2) parts hat the exposed surhalf (1/2) inch shall part Portland cement tar or concrete shall e shall be constructnts through the full e top of the curb to mirty, (30) feet apart pavement, construct-

rete curb built intee width of the curb d curb shall be eight (8) inches, the height of the curb above the surface of the pavement shall be six (6) inches, and the exposed edges shall be rounded. The concrete for the curb shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and three and one-half (3½) parts gravel or crushed stone, except that the exposed surface of said curb to a depth of one-half (½) inch shall be composed by volume of one (1) part Portland cement and two (2) parts sand. Both mortar or concrete shall be mixed with sufficient water. There shall be constructed three-eighths (¾) inch open joints through the full width of the curb, extending from the top of the curb to the bottom of the pavement, spaced thirty (30) feet apart and continuous with the joint in the pavement, constructed complete at 60c per lineal foot

ed complete at 60¢ per lineal foot

1,100 square yards of /bituminous binder macadam pavement
for pavement connections and adjustment in County Line
Road, and for pavement across ravines in Lakeside Place;
twelve (12) inches thick, bonded with four (4) gallons
of tarvia, or its equal, per square yard, top dressed with
one-half (½) inch layer of one-quarter (¼) inch gravel;
laid complete at \$3.00 per square yard

40 new catchbasins constructed of Portland cement concrete composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts of gravel or crush-'ed stone mixed with sufficient water to make a quaking mass; inside diameter four (4) feet, walls and bottoms eight (8) inches thick, depth of concrete over all seven (7) feet, Each catchbasin shall be furnished with a tile pipe bend for trap and for connection to tile pipe drains, and with a cast iron cover, consisting of a frame weighing three hundred ninety (390) pounds, and a perforated lid weighing one hundred fifty (150) pounds; diameter of lidtwenty-two and three-quarters (22%) inches, height of frame nine (9) inches, average thickness of metal in cover one and one-half (11/2) inches, including all excavating, backfilling around the catchbasin with sand, and removal of all surplus excavated materials constructed complete,

and covers set to grade, at \$100.00 each 87 new combined catchbasin manholes constructed of Portland cement concrete, composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone, mixed with sufficient water to make a quaking mass; inside diameter four (4) feet, walls and bottoms eight (8) inches thick, average depth of concrete below top of curb nine and one-half (91/2) feet. Each catchbasin manhole shall be furnished with a cast iron cover consisting of a frame weighing three hundred ninety (390) pounds, and a perforated lid weighing one hundred fifty (150) pounds, diameter of lid twenty-two and three-quarters (22%) inches, height of frame nine (9) inches, average thickness of metal in cover one and onehalf (13/2) inches; including all excavating, backfilling around the catchbasin manhole with sand, and removal of all excavated materials, constructed complete, and covers

set to grade, at \$135.00 each 11,745.00 3 new Portland cement concrete drop inlets to be constructed integral with the herein proposed concrete culverts, in Brownville Road and Lincolnwood Road. The concrete shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone, mixed with sufficient water to make a quaking mass; inside diameter four (4) feet, average depth of concrete below top of curb eleven (11), feet. Each drop inlet shall be furnished with a cast iron cover consisting of a frame weighing three hundred ninety (390) pounds, and a perforated lid weighing one hundred fifty (150) pounds, diameter of lid twenty-two and threequarters (22%) inches, average thickness of metal in cover one and one-half (11/2) inches; including all excavation, filling around the drop inlets with sand, and removal of all surplus excavated materials, constructed complete, and covers set to grade, at \$150.00 each

The following drain pipes shall be vitrified, salt-glazed, hub and spigot tile pipe drains, inside diameter as indicated by the size stated below, including connections to eatchbasins and catchbasin manholes, all trenching, backfilling the trench with SAND from the bottom of the trench to the surface of the subgrade; joints of Portland cement mortar composed by volume of one (1) part cement and two (2) parts sand, mixed with sufficient water to make a quaking mass, and removal of all surplus excavated materials; all pipes over twelve (12) inches shall be double strength. The depth of the pipe refer to the flow line of said pipes.

flow line of said pipes:

50 lineal feet of six (6) inch tile pipe drain, laid at an average depth below the top of the curb, four and one-half (4½) feet, laid complete at \$1.00 per lineal foot

826 lineal feet of eight (8) inch tile pipe drain, laid at an average depth below the top of the pavement of six and

one-half (6½) feet, laid complete at \$1.90 per lineal foot 346 lineal feet of ten (10) inch tile pipe drain, laid at an average depth below the top of the pavement of six and one-half (6½) feet, laid complete at \$2.10 per lineal foot 269 lineal feet of twelve (12) inch tile pipe drain, laid at an average depth below the top of the pavement, of six and one-half (6½) feet, laid complete at \$2.20 per lineal

foot

56 lineal feet of fifteen (15) inch tile pipe drain, laid at an average depth below the top of the payement of six (6) feet, laid complete at \$2.40 per lineal foot.

25 lineal feet of eighteen (18) inch tile pipe drain, laid at an

average depth of six and one-half (6½) feet below the top of the pavement, laid complete at \$2.60 per lineal foot lineal feet of twenty-four (24) inch tile pipe drain, laid at an average depth of six (6) feet below the present ground, laid complete at \$2.00 per lineal foot. The following drain pipes shall be vitrified, salt-glazed, hub and spigot tile pipe drains, inside diameter as indicated by the size stated below, including connections to catchbasins, catchbasin manholes and drop inlets, laid with open joints, including all trenching, backfilling the trench with earth, and removal of all surplus excavated materials. The depth of the pipe refers to the flow line of the pipe. The pipes over twelve (12) inches shall be double

2,838 lineal feet of ten (10) inch tile pipe drain, laid at an average depth below the top of the curb of seven (7) feet, laid complete at \$1.65 per lineal foot.

1,991 lineal feet of twelve (12) inch tile pipe drain, laid at an average depth below the top of the curb of seven (7)

960 lineal feet of fifteen (15) inch tile pipe drain, laid at an average depth below the top of the curb of six (6) feet, laid complete at \$1.85 per lineal foot.

145 lineal feet of eighteen (18) inch tile pipe drain, laid at an average depth below the top of the curb of six (6) feet,

laid complete at \$2.15 per lineal foot

298 lineal feet of twenty-four (24) inch tile pipe drain, laid at an average depth of seven (7) feet below the top of the curb, laid complete at \$2.90 per lineal foot.

The fellowing outlet drain pipes shall be bell and spigot cast iron pipe, laid at an average depth below the present ground of five (5) feet, with lead and oakum joints. Inside diameter as indicated by the size stated below; including all trenching, backfilling the trench with earth, and removal of all surplus excavated materials; the depth of the pipes refer to the flow line of the pipes.

34 lineal feet of eight (8) inch cast iron pine; each pipe of twelve (12) foot length weighing five hundred fifteen (515) rounds ner length, laid complete at \$3.25 per lineal frot 80 lineal feet of eighteen (18) inch cast iron pine; each nine of twelve (12) foot length weighing fifteen hundred fifty (1550) nounds per length; laid complete at \$7.50 per lin-

24 lineal feet of ten (10) inch cast iron pipe, each pipe of twolve (12) foot length weighing six hundred eighty-five (685) nounds, laid complete at \$4.25 per lineal foot......

The following headwalls for outlet drains shall be constructed of Portland cement concrete, dimensions as stated below: the body portion shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone.

The exposed surface, after backfilling, to a depth of one (1) inch, shall be composed by volume of one (1) part Portland cement and two (2) parts sand. Both mortar and concrete shall be mixed with sufficient water to make a duaking mass. The bottom of the wall shall be three (3) feet below the flow line of the outlet pipes where located; including all excavation, backfilling, and removal of all surplus excavated wall material.

Theadwall five (5) feet long, five (5) feet high, top ten

(10) inches thick, bottom twenty-four (24) inches thick, constructed in the ravine north of CAROL COURT, First Addition to Ravinia Forest, containing 1.4 cubic yards, constructed complete at \$20.00 per cubic yard

1 headwall five (5) feet long, six (6) feet high, top ten (10) inches, bottom twenty-four (24) inches, constructed west side of LINCOLNWOOD ROAD at Lot 18, Second Addition to Ravinia Forest, containing 1.6 cubic yards; constructed complete at \$20.00 per cubic yard.

1 headwall ten (10) feet long, seven (7) feet high, one (1) foot thick bottom twenty (2) feet high, one

1 headwall ten (10) feet long, seven (7) feet high, one
(1) foot thick, bottom two (2) feet thick, constructed in
ravine between Lot 20 and Lot 21, First Addition to Ravinia Forest, containing 4.0 cubic yards; constructed complete at \$20.00 per cubic yard

The following retaining walls located in DELL LANK

The following retaining walls located in DELL LANE, shall be constructed of reinforced Portland cement concrete. The footing and body portions of the retaining walls, railing and coping shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone; the expessed surface, after backfilling, of the retaining walls and the railings and copings to a depth of one (1) inch, shall be composed by volume of one (1) part Portland cement and two (2) parts sand. Both mortar and concrete shall be mixed with sufficient water to make a quaking mass. Di-

mensions as stated below.

1 reinforced concrete retaining wall with opening for a twenty-four (24) inch pipe; FOOTING two (2) feet high, twelve (12) feet long, and seven (7) feet wide; WALL eleven (11) feet high, twelve (12) feet long, and one foot three inches (1'3") wide; RAILING three (3) feet high, twelve (12) feet long, and one foot three inches (1'-3") thick; COPING six (6) inches high, twelve feet four inches (12'-4") long, and one foot seven inches (1'-7") wide; containing fourteen and one-half (14½) cubic yards of concrete, reinforced with eight hundred fifty-two (852) pounds of one-half (½) inch square deformed steel bars, including removal of old tree stumps, backfilling and removal of all surplus excavated materials, constructed complete at \$25.00 per cubic yard

1 reinforced concrete retaining wall with opening for twenty-four (24) inch pipe; FOOTING two (2) feet high, thirty-nine (39) feet long, and seven (7) feet wide; WALLS, CENTER section twelve feet six inches (12'-6") high, eleven feet six inches (11'-6") long, and one foot three inches. (1'-3") thick; NORTH INTERMEDIATE SECTION nine feet six inches (9'-6") high, six feet nine inches (6'-9") long, and one foot three inches (1'-3") thick; NORTH SECTION six feet six inches (6'-6") high six feet six inches (6'-6") long, and one foot three inches (1'-3") thick; SOUTH INTERMEDIATE SECTION eight feet six inches (8'-6") high, five (5) feet long, and one foot three inches (1'-3") thick; SOUTH SECTION five (5) feet high, five feet three inches (5'-3") long, and one foot three inches (1'-3") thick; RAILING three (3) feet high, thirty-five (35) feet long, and one foot three inches (1'-3") thick; coping six (6) inches high, thirtyfive feet four inches (35'-4") long, and one foot seven inches (1'-7") wide; containing forty-three and one-half (431/2) cubic yards of concrete reinforced with twenty-four hundred eighty-six (2486) pounds of one-half (1/2) inch square deformed steel bars, including removal of tree stumps, backfilling, and removal of all surplus excavated materials, constructed complete at \$25.00 per cubic yard... The following retaining walls, located in LAKESIDE PLACE and BROWNVILLE ROAD, shall be constructed of reinforced Portland cement concrete; the footing and body portion of retaining walls shall be composed by volume of one (1) part Portland cement, two (2) parts sand and four (4) parts crushed stone or gravel; the exposed surface after backfilling of retaining walls to a depth of one (1) inch, shall be composed by volume of one (1) part Portland cement and two (2) parts sand; both mortar and concrete shall be mixed with sufficient water to make a quaking mass; the dimensions as stated below.

reinforced concrete retaining wall, located on the east side of Lakeside Place, with an opening for a five (5) foot by seven (7) foot concrete culvert, a ten (10) inch cast iron pipe, and an existing twenty-four (24) inch inside diameter cast iron pipe; FOOTING two feet six inches (2'-6") thick by one hundred eighty (180) feet long, and a maximum width of twelve (12) feet; WALL maximum thickness two (2) feet by one hundred and eighty (180) feet long, and miximum height from top of footing, seventeen feet four inches (17'-4"); containing three hundred and fifty-three (353) cubic yards of concrete, reinforced with twenty-eight thousand eight hundred thirty-three (28,833) pounds of square deformed steel bars; con-

structed complete at \$25.00 per cubic yard

1 reinforced concrete retaining wall located in the west
side of Lakeside Place, across the south ravine, with an
opening for a five (5) foot by seven (7) foot concrete
culvert; FOOTING two feet six inches (2'-6") thick, by
eighty-nine (89) feet long, and maximum width of twelve
(12) feet; WALL, maximum thickness two (2) feet, by
eighty-nine (89) feet long, and miximum height from top
of footing, seventeen (17) feet; containing one hundred
seventy-four (174) cubic yards of concrete reinforced with
thirteen thousand eight hundred (18,800) pounds of square
deformed steel bars, constructed complete at \$25.00 per

1 reinforced concrete retaining wall located in the west side of Lakeside Place, across the north ravine, with an opening for a present two (2) foot inside diameter cast iron pipe; FOOTING, two feet six inches (2'-6") thick, by seventy (70) feet long, and maximum height from top of footing, fourteen feet mine inches (14'-9"), containing one hundred thirty-one (131) cubic yards of concrete; reinforced with eleven thousand one hundred (11,100) pounds of square deformed steel bars; constructed complete at

1 reinforced retaining wall along the north line of BROWN-VILLE ROAD across the west ravine, with an opening for a five (5) foot by seven (7) foot inside dimension culvert; FOOTING, two feet six inches (2'-6") high, eight feet six inches (8'-6") wide, and seventy-three (73) feet long; WALL, average thickness one foot six inches (1'-6"), ten feet six inches (10'-6") high from top of footing to top of wall, seventy-two (72) feet long; containing one hundred eight (108) cubic yards of concrete reinforced with nine thousand one hundred seventy (9,170) pounds of deformed steel bars, constructed complete at

6,562.00

3,583,80

\$25.00 per cubic yard

1 reinforced concrete retaining wall along the south side of BROWNVILLE ROAD acress the west ravine, with an opening for a five (5) foot by seven (7) foot inside dimension culvert; FOOTING, two feet six inches (2'-6") high, eight feet six inches (8'-6") wide, and seventy-two feet six inches (72'-6") long; WALL, average thickness one foot six inches (1'-6"), the westerly forty-nine feet six inches (49'-6") shall be seven (7) feet high from top of footing, the easterly twenty-two (22) feet shall be nine feet six inches (9'-6") high from top of footing; containing ninety-three (93) cubic yards of concrete reinforced with sixty-eight hundred seventy (6870) pounds of deformed steel bars, constructed complete at \$25.00 per

The following retaining walls, located in BROWNVILLE ROAD, across the east ravine, shall be constructed of reinforced Portland cement concrete; the footing and body portion of the retaining walls, railing and coping shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone; the exposed surfaces, after backfilling of the retaining walls and the railings and copings to a depth of one (1) inch, shall be composed by volume of one (1) part Portland cement and two (2) parts sand; both mortar and concrete shall be mixed with sufficient water

to make a quaking mass; dimensions as stated below. 1 retaining wall along the north line of Brownville Road, with an opening for a two (2) foot by two (2) foot inside dimension culvert; FOOTING, two feet six inches (2'-6") thick, in the center section nine (9) feet in width and sixteen feet six inches (16'-6") long; in the west section seven (7) feet wide and nine feet six inches (9'-6") long; in the east section eight feet six inches (8'-6") wide, and ten (10) feet long; WALL, average thickness one foot six inches (1'-6"); in the center section twelve (12) feet high, fifteen (15) feet long; in the west section seven (7) feet high, eight (8) feet long; in the east section nine feet six inches (9'-6") high, ten (10) feet long, the height as measured from the top of the footing; RAILING, one foot three inches (1'-3") thick, three (3) feet high, and thirty-three (33) feet long; COPING, six inches thick, one foot seven inches (1'-7") wide, thirtythree feet four inches (38'-4") long; containing fiftyfour (54) cubic yards of concrete reinforced with thirtytwo hundred (3200) pounds of deformed steel bars, constructed complete at \$25.00 per cubic yard

1 retaining wall along the south line of Brownville Road, with an opening for a two (2) foot by two (2) foot inside dimension culvert; FOOTING, two feet six inches (2'-6") thick, nine (9) feet wide, twenty-seven (27) feet long; WALL, average thickness one foot six inches (1'-6") thick, ten (10) feet high, as measured from top of footing, twenty-six (26) feet long; RAILING, one foot three inches (1'-3") thick, three (3) feet high, twenty-six (26) feet long; COPING, six (6) inches thick, one foot seven niches (1'-7") wide, twenty-six feet four inches (26'-4") long; containing forty-three (43) cubic yards of concrete, reinforced with thirty-one hundred fifty (3150) pounds of deformed steel bars, constructed complete at \$25.00

The following concrete culverts with headwalls, located in LINCOLNWOOD ROAD, and ST. JOHN'S AVENUE, shall be constructed of Portland cement concrete. The concrete in the barrel of the culverts and the body portion of the headwalls, shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone; the exposed surface after backfilling, of the headwalls, to a depth of one (1) inch, shall be composed by volume of one (1) part cement and two (2) parts sand; both mortar and concrete shall be mixed with sufficient water to make a quaking mass; dimensions as stated below.

reinforced concrete culvert across ST. JOHN'S AVE., inside dimension of barrel two (2) feet high and four (4) feet wide and sixty-four feet eight inches (64'-8") long, walls and top and bottom nine (9) inches thick. At each end of the barrel shall be constructed a headwall integral with said barrel. The west headwall shall be seven feet six inches (7'-6") high, ten feet four inches (10'-4") long, and one (1) foot thick. The east headwall shall be eight feet six inches (8'-6") high, ten feet four inches (10'-4") long, and one (1) foot thick. The barrel shall contain twenty-five and one-half (251/2) cubic yards of concrete; the headwalls shall contain five and fifty-seven hundredths (5.57) cubic yards. Total thirty-one and seven hundredths (31.7) cubic yards of concrete reinforced with twenty-six hundred (2600) pounds of one-half (1/2) inch square deformed steel bars; including backfilling; constructed complete at \$25.00 per cubic yard

1 reinforced concrete culvert across LINCOLNWOOD ROAD, inside dimensions three (3) feet high, five (5) feet wide, sixty-eight (68) feet long, cover eight (8) inches thick, walls one (1) foot thick, feetings two (2) feet high, three (3) feet wide, struts two (2) feet high, two (2) feet wide, paving between struts four and onehalf (41/2) inches thick and three (3) feet wide; containing fifty-nine and seventy-five hundredths (59.75) cubic yards of concrete. WEST WALL, FOOTING, two feet six inches (2'-6") high, six (6) feet wide, and thirty-six (36) feet long; WALL, one foot three inches (1'-3") thick at top, four (4) feet thick at bottom, nine feet five inches (9'-5") high, thirty-five (35) feet long; RAILING, one foot three inches (1'-3") thick, three (3) feet high, thirty-five (35) feet long; COPING, six inches (6") high, one foot seven inches (1'-7") wide, and thirty-five feet four inches (35'-4") long. EAST WALL, FOOTING, two feet six inches (2'-6") high, six (6) feet wide, and thirtysix (36) fect long; WALL, one foot three inches (1'-3") thick at top, four (4) feet thick at bottom, eleven (11) feet high, and thirty-five (35) feet long; RAILING, one foot three inches (1'-3") thick, three (3) feet high, and thirty-five (35) feet long; COPING, six (6) inches high, one foot seven inches (1'-7") wide, and thirty-five feet (35') four inches (4") long. Total concrete for both walls one hundred twenty and ninety-one hundredths (120.91) cubic yards; total concrete for culverts and walls one hundred eighty and sixty-six hundredths (180.66) cubic yards, reinforced with twenty-seven hundred fifty-two (2752) pounds of one-half (1/2) inch square deformed steel bars; including all backfilling, constructed complete at \$25.00

The following reinforced concrete culverts shall be constructed of Portland cement concrete composed by volume of one (1) part Portland cement, two (2) parts sand, and four (4) parts gravel or crushed stone, mixed with sufficient water to make a quaking mass; dimensions as stated below.

inside dimensions five (5) feet high, seven (7) feet wide, and eighty-two feet five and three-quarters inches 82'-5%") long; TOP SLAB, average thickness one foot one and one-half inches (1'-1½"); WALLS, one foot four inches (1'-4") thick; FOOTING, two feet six inches (2'-6") high, three feet six inches (3'-6") wide; STRUTS, two feet six inches (2'-6") high, and three (3) feet wide; PAVEMENT, four and one-half (4½) inches thick, and four feet ten inches (4'-10") wide; containing one hundred fifty-six and eighty-eight hundredths (156.88) cubic yards of concrete reinforced with eighty-one hundred thirty-four (8134) pounds of square deformed steel bars; including all backfilling; constructed complete at \$25.00

1 concrete culvert in WEST RAVINE across BROWN-VILLE ROAD, inside dimensions five (5) feet high, seven (7) feet wide, seventy-six (76) feet long; FOOTING, two (2) feet high, three feet two inches (3'-2") wide, seventy-six (76) feet long; STRUTS, two (2) feet high, two (2) feet wide; TOP SLAB, average thickness one foot one and one-half inches (1'-1½"); WALLS, one foot two inches (1'-2") thick; PAVEMENT, four and one-half (4½) inches thick, five (5) feet wide; containing one hundred seven (107) cubic yards of concrete reinforced with forty-three hundred (4300) pounds of deformed steel bars; including all backfilling, constructed complete at \$25.00 per cubic yard

1 concrete culvert in EAST RAVINE, across BROWN-VILLE ROAD; inside dimensions two (2) feet high, two (2) feet wide, sixty-one feet nine inches (61'-9") long; walls, top and bottom, eight (8) inches thick; containing eighteen (18) cubic yards of concrete reinforced with sixteen hundred fifty (1650) pounds of deformed steel bars, constructed complete at \$25.00 per cubic yard

162 cubic yards of gravel or crushed stone to be used in backfilling rear of the retaining walls, located along the east
and west sides of Lakeside Place; including the placing
cf said gravel or crushed stone, for a thickness of one
(1) foot, and the full height of wall from top of footing
for its entire length, at \$3.50 per cubic yard

400 lineal feet of four (4) inch inside diameter, vitrified, salt-

glazed, hub and spigot tile pipe drain, laid with open joints, at rear of retaining walls, located on east and west side of Lakeside Place, at 20c per lineal foot

Place and Brownville Road, eight (8) inches thick by one (1) foot wide and six (6) feet in height, set in ground three (3) feet, spaced six (6) feet center to center, each post contains fifteen one hundredths (0.15) cubic yards of Portland cement concrete composed by volume of one (1) part Portland cement two (2) parts sand, and four (4) parts crushed stone or gravel, mixed with sufficient water to make a quaking mass, reinforced with one hundred and twelve (112) pounds of round deformed steel bars, at \$5.00 per guard post

48 manhole covers to be adjusted to grade where located, at \$5.00 each 26 valve vault covers to be adjusted to grade where located,

660 trees to be cut down, stumps grubbed out to a depth of one (1) foot below the subgrade, holes in the roadway filled with sand, thoroughly tamped; including removal of trees and stumps from the side of the improvement, at \$2.00 each

10,000 square feet of new concrete sidewalk approaches laid on a layer of cinders six (6) inches thick. The width of the sidewalk approaches shall be five (5) feet except at the present sidewalks, where they shall be widened so as to meet the present walks at right angles. The body concrete shall be four (4) inches thick, shall be composed by volume of one (1) part Portland cement, two (2) parts sand, and five (5) parts gravel or crushed stone; the exposed surface to a depth of one-half (½) inch shall be composed by volume of one (1) part Portland cement and three (3) parts sand, all concrete and mortar to be mixed with sufficient water to make a quaking mass, including ORD—THIRTEEN

all excavation, grading, and removal of all excavated materials, constructed complete at 30c per square foot......

2 fire hydrants in St. John's Avenue business district, to be disconnected, moved, and reset to line and grade, including all necessary cast iron pipe and fittings, with lead and oakum joints, all trenching, backfilling the trenches with sand, set complete in place at \$150.00 each

with sand, set complete in place at \$150.00 each
10,900 square feet of well matted bluegrass, or equal sod, placed
and staked down with fifteen (15) inch by three-quarter
(%) inch square wooden pegs on shoulders, across ravine
in Lakeside Place, laid complete at 7c per square foot...

776,75

4,516.50

2,675.00

450.00

567.00

80.00

655.00

240.00

1,320.00

BB

3,000.00

300.00

763.00