STREET & SIDEWALK - ALLEY AND SANITARY SEWER IMPROVEMENTS

PROJECT CAROL, PHASE I

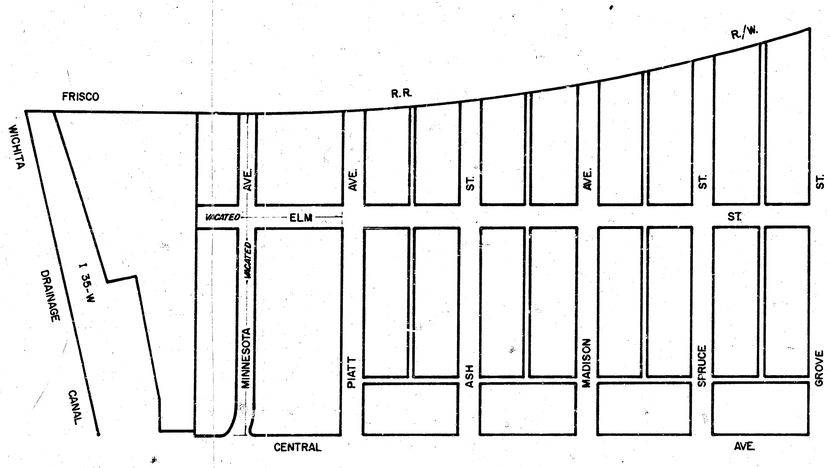
URBAN RENEWAL AGENCY

PROJECT NO. N.D.P. KAN. NO. A-5-2

ALLEY IMPROVEMENTS

SUMMARY OF QUANTITIES

QUANT.	UNIT	DESCRIPTION
1,860	S.Y.	7" CONCRETE PAVEMENT
1,120	L.F.	KEY JOINT
12,800	Lbs.	REINFORCING STEEL
530	C.Y.	EXCAVATION
325	C.Y.	COMPACTED FILL
200	S.F.	4" WALK
40	L.F.	SAWED JOINT
540	S.Y.	PAVEMENT REMOVED
420	S.Y.	ASPHALT SURFACE REMOVED
470	S.F.	WALK & DRIVE REMOVED
80	L.F.	FENCE REMOVED
40	L.F.	HEDGE REMOVED
2	Ea.	SMALL TREES REMOVED
5	Tons	ROAD GRAVEL
80	L.F.	FENCE REPLACED
100	S.F.	6" DRIVE
30	Tons	ASPHALT



SANITARY SEWER IMPROVEMENTS

SUMMARY OF QUANTITIES

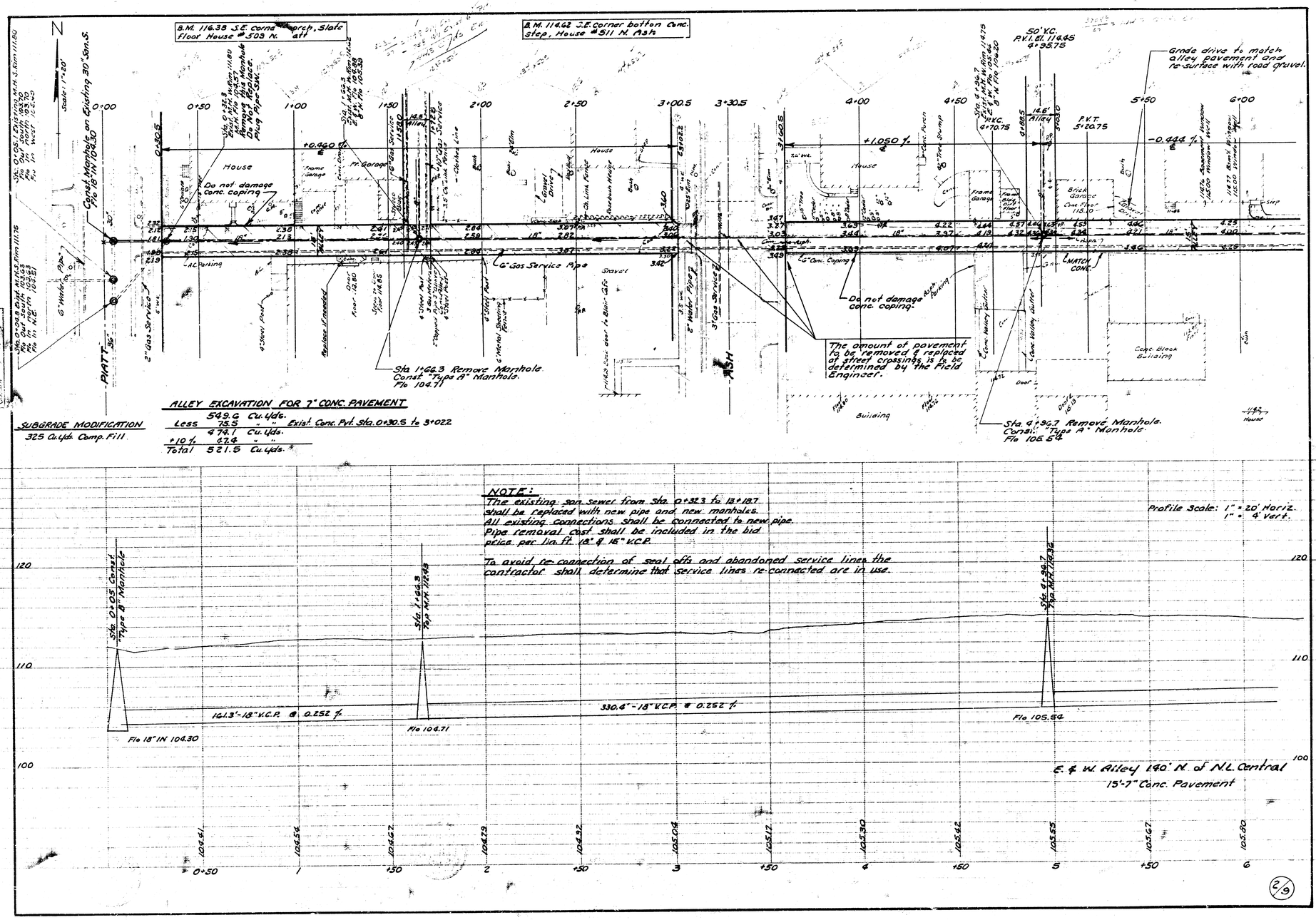
QUANT.	UNIT	DESCRIPTION
3,200	L.F.	8" CLAY PIPE
510	L.F.	15" CLAY PIPE
850	L.F.	18" CLAY PIPE
75	L.F.	8" CAST IRON PIPE
17	Ea.	TYPE "A" MANHOLES
1	Ea.	TYPE "B" MANHOLES
130	Ea.	SERVICE CONNECTIONS
20	Ea.	MANHOLES REMOVED
400	S.Y.	PAVEMENT REMOVED
15	Tons	ASPHALT
200	Tons	GRANULAR EMBEDMENT
4,600	Tons	SAND FILL
4,650	L.F.	FLUSHING

STREET & SIDEWALK IMPROVEMENTS

SUMMARY OF QUANTITIES

QUANT.	UNIT	DESCRIPTION
2,190	S.Y.	ASPH. CONC. PAVEMENT
3,170	S.Y.	7" CONC. PAVEMENT
7,510	L.F.	COMBINED CURB & GUTTER
1,530	L.F.	INTEGRAL CURB
4,770	L.F.	KEY JOINT
21,000	Lbs.	REINFORCING STEEL
6,780	S.F.	SEPARATE GUTTER
1,690	L.F.	SEPARATE CURB
11,040	S.F.	6" DRIVE
25,740	S.F.	4" WALK
1,430	S.F.	9" WALK
550	L.F.	SAWED JOINT
85	TONS	ASPHALT
420	TONS	SAND FILL
5,350	S.Y.	PAVEMENT REMOVED
590	S.Y.	ASPHALT SURFACE REMOVED
7,560	L.F.	COMBINED CURB & GUTTER REMOVED
30,060	S.F.	WALK & DRIVE REMOVED
5	Ea.	LARGE TREES REMOVED
5	Ea.	SMALL TREES REMOVED
15	Ea.	INLETS ADJUSTED

NOTE- The excavation required for street & sidewalk improvement shall be considered incidental to the cost for this portion of the project.



SUBGRADE MODIFICATION
325 Cu.Yds. Comp. Fill

ALLEY EXCAVATION FOR 7" CONC. PAVEMENT

	549.6	Cu. Yds.
Less	75.5	" " Exist. Conc. Pvt. Sta. 0+30.5 to 3+022
	474.1	Cu. Yds.
+10%	47.4	" "
Total	521.5	Cu. Yds.

NOTE:
The existing san. sewer from Sta. 0+32.3 to 13+18.7 shall be replaced with new pipe and new manholes. All existing connections shall be connected to new pipe. Pipe removal cost shall be included in the bid price per lin. ft. 18" & 15" V.C.P.

To avoid re-connection of seal offs and abandoned service lines the contractor shall determine that service lines re-connected are in use.

E. & W. Alley 140' N. of N.L. Central
15'-7" Conc. Pavement

2/9

B.M. 115.39 S.E. Corner bottom brick step at S.E. Corner House # 517 N. Madison.

B.M. 114.35 Step bench N. face P. Pole, W.L. Spruce N.L. Alley approx. 194' N. of ℄ Central.

N

MADISON

SPRUCE

Remove walk & replace to match alley pavement.

Remove O.H.

3"Gas Service

6" Gas Service

6" Water Pipe

Sta. 8+27.5 Remove Manhole. Const. "Type A" Manhole. Flo 18" OUT 106.37 Flo 15" IN 106.62

Sta. 11+58.3 Remove Manhole. Const. "Type A" Manhole Flo 107.46

Jack Door of Bldg. Fleet 115.30

Gravel Parking

SAW & MATCH

Brick Building

Steel Posts 18' High

Concrete Drive

Gravel

Frame Shed

Frame Garage

Block Bldg.

House

Porch

Bench

Steps

Bank Window

Basement Window

Coal Chute

Cellar Door

Cellar Window

Window Well

Hedge

Fence

Curb

Gutter

Asph.

Conc.

Gravel

Brick

Tile

Stone

Wood

Metal

Sta. 8+27.5 Top N.P. 112.79

Sta. 11+58.3 Top N.P. 115.15

330.8'-18" V.C.P. @ 0.252 %

330.8'-15" V.C.P. @ 0.252 %

Flo. 18" OUT 106.37

Flo 15" IN 106.62

Flo 107.46

E. & W. Alley 140' N. of N.L. Central

15'-7" Conc. Pavement

105.80 105.93 104.05 106.18 104.30 106.65 104.81 104.93 107.02 107.13 107.31 107.44 107.56

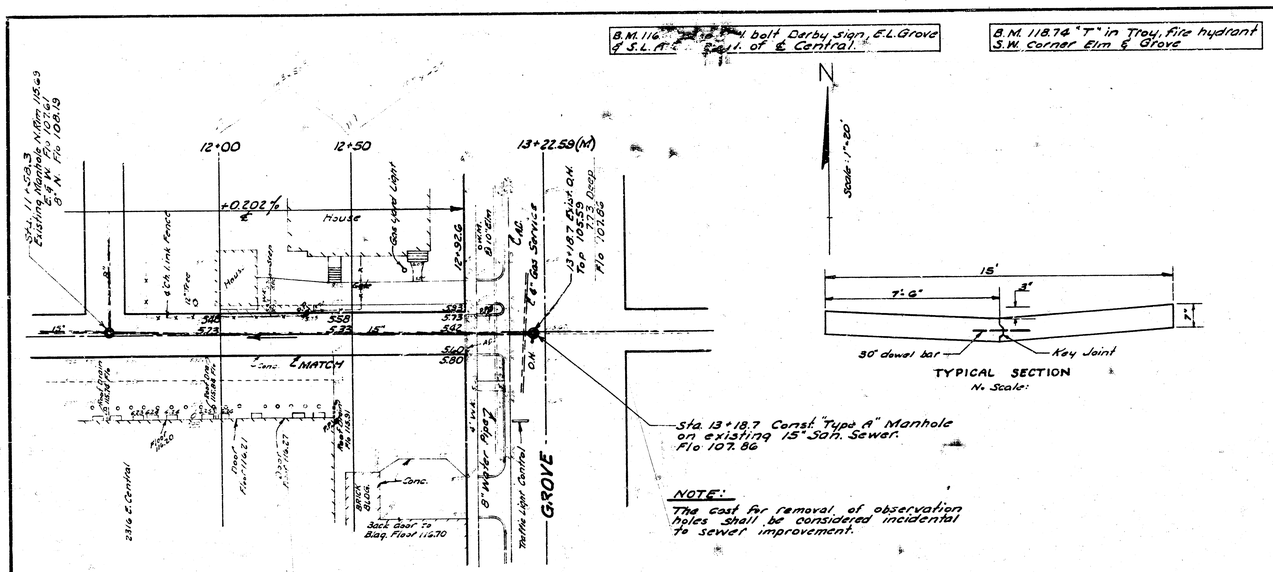
6 +50 7 +50 8 +50 9 +50 10 +50 11 +50 12

120 110 100

3/9

B.M. 116 4" bolt Derby sign, E.L. Grove & S.L.A.-E. Sepl. of & Central.

B.M. 118.74 "T" in Tray, fire hydrant S.W. corner Elm & Grove


Sta. 11+03.3 Existing Manhole, N. Rim 115.49 & N. Flo 108.19
12+00
12+50
13+22.59(M)
+0.202 ft.
House
Gas Meter
Gas Light
12"-32.6
6" Elm
C.M.C.
4" Gas Service
13+187 Elev. at Ex. Manhole 108.59 Depth 7.73 Deep Flo 101.86
6" Elm
6" Elm
6" Elm

B.M. 114.62 S.E. corner bottom conc. step inlet N. 511 N. Ash.

Sta. 0+15.0 RC. Manhole on 66"S.W.S. F/o 103.53
10-8" C.I.P. N. & S. Through Manhole.
F/o S. end of 8" C.I.P. 105.37
F/o N. end of 8" C.I.P. 105.40
Pour a conc. collar around connecting ends of V.C.P. & C.I.P.

N

Scale: 1" = 40'

PIATT AVE.

CENTRAL AVE.

1+00 2+00 3+00 4+00 5+00 6+00 7+00

F/o 104.71

8" Steel Pipe

6" Gas Service

18.5' ALLEY

8" V.C.P.

Remove Manhole

Sta. 2+38.8 Exist. Manhole F/o 105.49

Sta. 4+28.6 Exist. M.H. F/o 105.33

Remove Manhole

Sta. 5+87.9 Exist. M.H. F/o 105.57

Remove Manhole

F/o 105.89 Exist. M.H.

Row of Trees

Steel Joint

Clothes Line

10" Gas Service

Steel Joint

1st ALLEY

2" Gas Service

ELM

18" Tree Stump & Hedge

Trees

Trees

Sta. 2+35 Const. "Type A" Manhole

Sta. 4+70 Const. "Type A" Manhole

Sta. 7+31 Remove Manhole. Const. "Type A" Manhole F/o 105.90

L. Frisco R.R. R/W.

142'

402'

ASH STREET

NOTE:
Lay new 8" V.C.P. pipe. All existing connections shall be connected to new sewer.
Remove existing 8" V.C.P. Pipe. removal Cost shall be included in the bid price per lin. Ft. 8" V.C.P.

Profile Scale: 1" = 40' Horiz.
1" = 8' Vert.

120
110
100

0+00 Sta. 2+35 Sta. 4+70 Sta. 7+31

235'-8" V.C.P. @ 0.163 ft.
F/o 8" IN 104.71
F/o 105.09
21'-8" V.C.P. @ 0.163 ft.
14'-8" C.I.P.
F/o 105.48
261'-8" V.C.P. @ 0.163 ft.
F/o 105.90

104.71 105.87 105.04 105.20 105.34 105.52 105.63 105.85

0 1 2 3 4 5 6 7

N. & S. Alley between PIATT & ASH from 155' N. of N.L. Central to S.L. Frisco R.R. R/W.

Survey B.C.D.
Plan J.L.A.
Inv.
Check

5/9

B.M. 115.39 S.E. Corner bottom brick step S.E. corner of House #317 N. Madison.

Sta. 4+15.0 R.C. Manhole on 60° S.W.S. Flo 104.69
12"-8" C.I.P. N.&S. through manhole
Flo S. end 8" C.I.P. 106.67
Flo N. end 8" C.I.P. 106.51
Pour a conc. collar around connecting ends of V.C.P. & C.I.P.

N

Scale: 1" = 40'

ASH STREET

CENTRAL AVE.

1+00 2+00 3+00 4+00 5+00 6+00 7+00

Clothes Line, Clothes Line, Fence, 4"x4" Conc. Slab, 12"x12" Conc. Incinerator, Large Elm Tree, Clothes Line, Cement Floor, Bldg., Wire & Fence, Elec. Meter & Box, Ch. Line, 14.5' Alley, 3°37'8 Bear. N.H. Flo 104.36, 4°47'8 Bear. N.H. Flo 104.35, 7°48'2 Bear. N.H. Flo 107.20, Conc. Blk. Bldg., Large Trees, Small Trees, Steel Posts, Steel Posts & Tree, Steel Posts, Steel, Large Trees

8" V.C.P.

Flo 105.54

Small Tree, 180' Bear. O.H., Large Tree, 11°28'8 Bear. 23.1(20) Elec. Service Line, 2 Small Trees, Clothes Line, Conc. Incinerator, Steel

Remove Manhole

Remove Manhole

Sta. 2+45 Const. "Type A" Manhole.

Sta. 4+90 Const. "Type A" Manhole.

Sta. 7+68.2 Remove Manhole, and Const. "Type A" Manhole. Flo 107.20

MADISON AVE.

ELM

S.W.S.

S. Frisco R.R. R/W

NOTE:
Lay new 8" V.C. Pipe. All existing connections shall be connected to new sewer.
Remove existing 8" V.C.P. Pipe removal cost shall be included in the bid price per lin. ft. 8" V.C.P.

Profile Scale: 1" = 40' Horiz.
1" = 6' Vert.

120
110
100

0+00 Sta. 2+45 Sta. 4+90 Sta. 7+68.2

243'-8" V.C.P. @ 0.200 ft. 239'-8" V.C.P. @ 0.200 ft. 16'-8" C.I.P. 238.2'-8" V.C.P. @ 0.200 ft.

Flo 8"IN 105.66 Flo 106.15 Flo 106.64 Flo 107.20

105.66 106.86 106.06 106.26 106.46 106.66 106.86 107.06

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00

N. & S. Alley between ASH & MADISON from 155' N. of N.L. Central to S.L. Frisco R.R. R/W

G/9

Survey O.G.D.
Plan V.C.H.
Lay
Checked

B.M. 114.54 N.S. Manhole Ring Sta. 3+73.8 in Alley between Ash & Madison.

Sta. 4+15 R.C. Manhole on 66° S.W.S. Flo 105.79
16"-8" C.I.P. N & S through manhole
Flo S. end 8" C.I. Pipe 107.45
Flo N. end 8" C.I. Pipe 107.53
Pour a conc. collar around connecting ends of V.C.P. & C.I.P.

Scale: 1" = 40'

MADISON AVE.

CENTRAL AVE.

ELM

SPRUCE STREET

FRISCO R.R. R/W

15' ALLEY

Flo 15" NW 106.52
Flo 18" SW 106.37

Remove Manhole

Remove Manhole

Remove Manhole.

Sta. 2+80 Const. "Type A" Manhole

Sta. 5+60 Const. "Type A" Manhole

Sta. 8+29.5 Remove Manhole. Const. "Type A" Manhole Flo 108.30

NOTE:
Lay new 8" V.C. Pipe. All existing connections shall be connected to new sewer.
Remove existing 8" V.C.P. Pipe removal cost shall be included in the bid price per lin. ft. 8" V.C.P.

Profile Scale: 1" = 40' Horiz. 1" = 5' Vert.

Sta. 0+00 — Sta. 2+80 — Sta. 5+60 — Sta. 8+29.5

280'-8" V.C.P. @ 0.200 %

264'-8" V.C.P. 16"-8" C.I.P. @ 0.200 %

269.5'-8" V.C.P. @ 0.200 %

Flo 8" in 106.64

Flo 107.20

Flo 107.76

Flo 108.30

120 / 110 / 100

106.64 / 106.84 / 107.04 / 107.24 / 107.44 / 107.64 / 107.84 / 108.04 / 108.24

0 1 2 3 4 5 6 7 8

N. & S. Alley between MADISON & SPRUCE From 155' N of N.L. Central to S.L. Frisco R.R. R/W

7/9

B.M. 114.38 N.S. Manhole Ring Sta. 4+01.7
Alley between Madison & Spruce.

Sta. 4+15 R.C. Manhole on 60° S.W.S. Flo 107.04
16"-8" C.I.P. N. & S. through manhole
Flo S. end 8" C.I. Pipe 108.72
Flo N. end 8" C.I. Pipe 108.76
Pour a conc. collar around connecting ends of R.C.P. & C.I.P.

Scale: 1" = 40'

SPRUCE STREET

CENTRAL AVE.

Remove Manhole

Remove Manhole

Remove Manhole

Flo 107.46

15" RCP

15" ALLEY

8" V.C.P.

1+00 2+00 3+00 4+00 5+00 6+00 7+00 3+00

Small Tree
Cattles Line
Garage
Small Trees
Brick Incinerator
Small Shed
Conc. Base under Brick
Rocks Box in Fence
Conc. Wall
Light Pole
Stone Incinerator
Gas Meter
3'-0" Brick Arch
Bus Barn
Gal.
6" Wood Post & High
Iron Shrub Stripe
Wood Post 6' High
Large Tree
Flo 108.56
House
Large Elm
Conc. Blk. Incinerator
8"-42.5 Mon. in Ground
Iron Shrub Stripe
Flo 109.22

8" Flo 107.91 Exist. M.H.
10" Flo 108.43 Exist. M.H.
8" Flo 108.72 Exist. M.H.
Flo 108.76 Exist. M.H.
7" Flo 108.56 Exist. M.H.
8" Flo 109.22 Exist. M.H.

Sta. 8+35.8 Remove Manhole
Const. "Type A" Manhole
Flo 109.70

Sta. 3+00 Const. "Type A" Manhole

Sta. 6+00 Const. "Type A" Manhole

140'

400'

GROVE STREET

S.L. Frisco R.R. R/W

Survey: S.C.D.
Dist.: U.C.M.
Ex.
Checked

NOTE:
Lay new 8" V.C. Pipe. All existing connections shall be connected to new sewer.
Remove existing 8" V.C.P. Pipe removal cost shall be included in the bid price per lin. ft. 8" V.C.P.

Profile Scale: 1" = 40' Horiz.
1" = 8' Vert.

120
110
100

0+00 3+00 6+00 8+35.8

300'-8" V.C.P. @ 0.200 ft.
208'-8" V.C.P. @ 0.200 ft.
16"-8" C.I.P.
235.8'-8" V.C.P. @ 0.200 ft.

Flo 15" 107.46
Flo 8" IN 107.91
Flo 108.51
Flo 109.11
Flo 109.70

107.91 108.11 108.31 108.51 108.71 108.91 109.11 103.31 103.51

0 1 2 3 4 5 6 7 8

N. & S. Alley between SPRUCE & GROVE From 155' N. of N.L. Central to S.L. Frisco R.R. R/W.

8/9

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