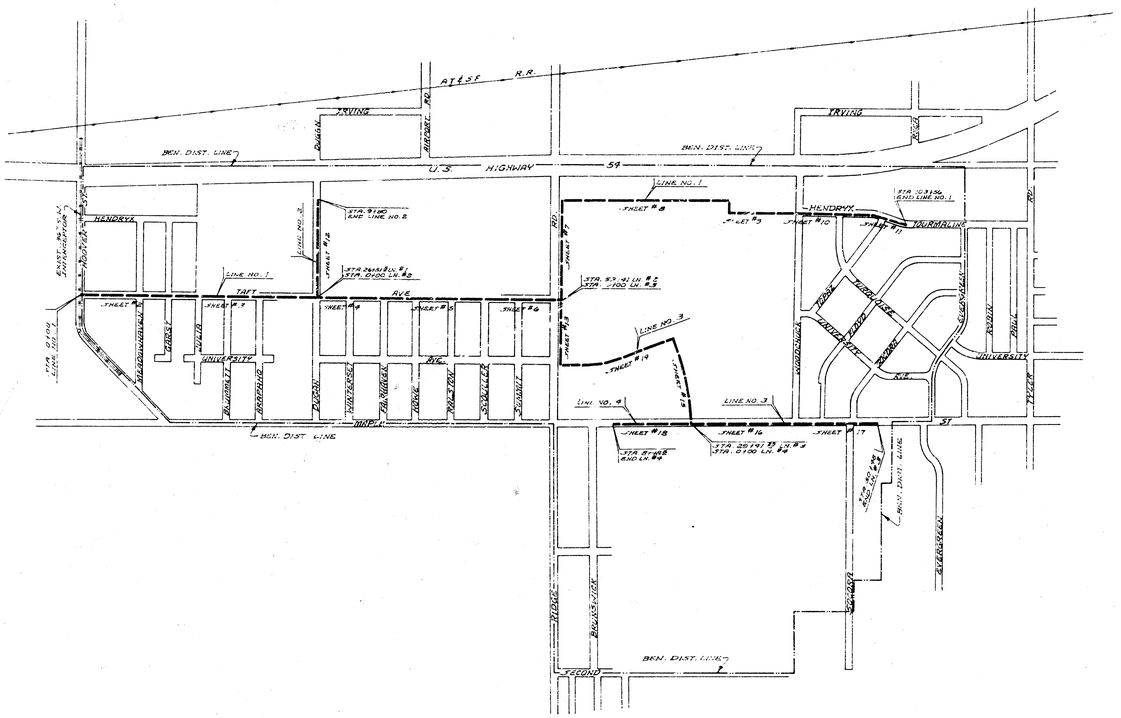


DATE :

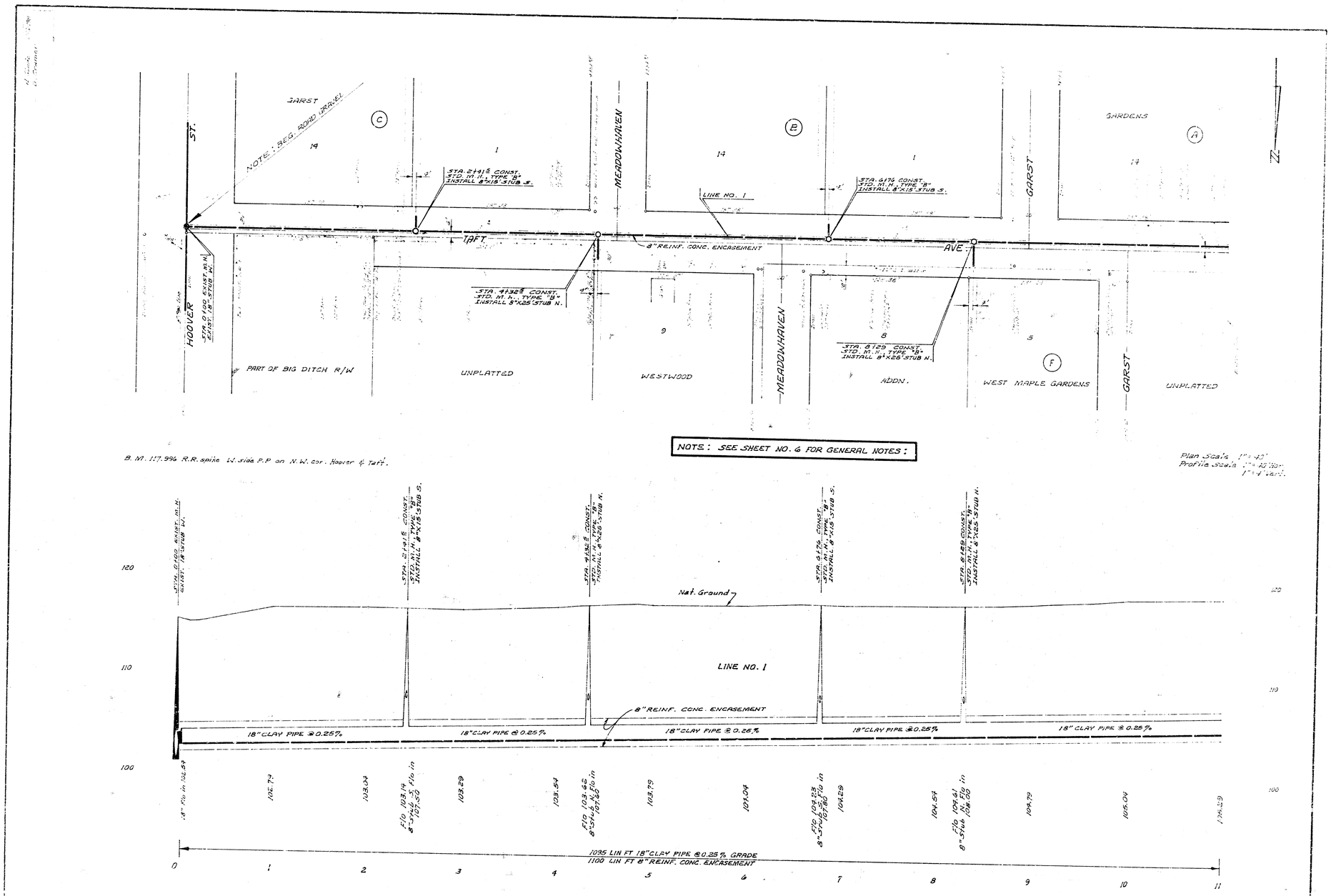
R. W. LINN – CITY ENGINEER

MAIN 4, S.W. INTERCEPTOR

CITY OF WICHITA, KANSAS - B.E. SMITH, CITY ENGINEER

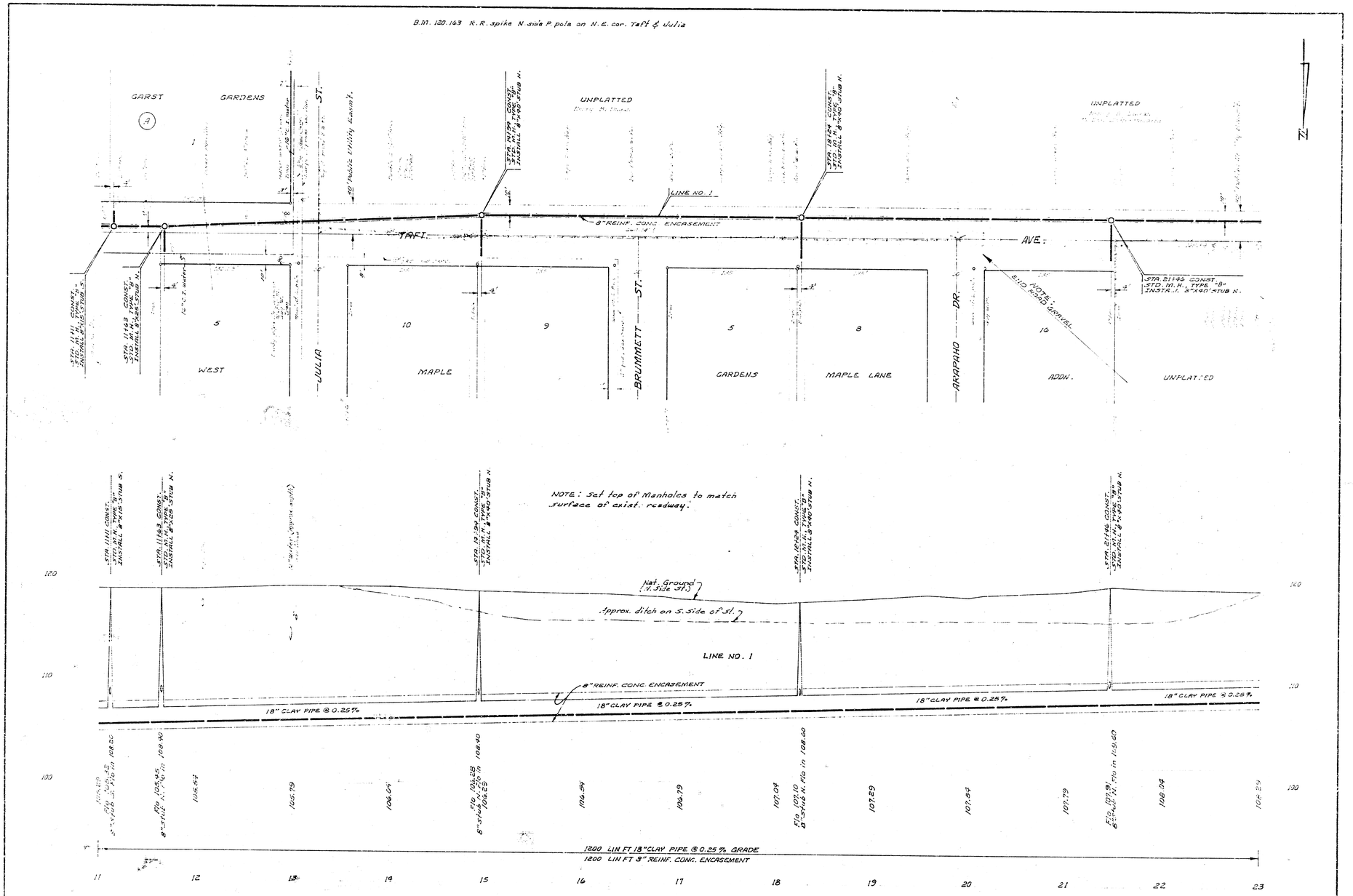
PROJECT NO. DBKM570035

SHEET 1 OF 18



MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 2 OF 13

B.M. 120.163 R.R. spike N. side P. pole on N.E. cor. Taft & Julia



MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM1570035
LINE NO. 1 SHEET 9 OF 18

B.M. 120.20 R.R. spike S. side P. pole ctr. of Dugan Rd on N. side Taft

UNPLATTED
Henry B. Dugan
% Don Satterthwaite
710 Union Nat. Bank Bldg.

UNPLATTED
Henry B. Dugan
% Don Satterthwaite
710 Union Nat. Bank Bldg.

LINE NO. 2

RD.

STA. 24+51.3 CONST.
STD. M.H., TYPE "B"
INSTALL 8"X30° STUB N.
STA. 0+00 LINE NO. 2

STA. 29+50 CONST.
STD. M.H., TYPE "A"

LINE NO. 1

STA. 32+23.5 CONST.
STD. M.H., TYPE "A"
INSTALL 8"X90° STUB N.

8" REINF. CONC. ENCASEMENT

TAFT

AVE.

STA. 29+00 CONST.
STD. M.H., TYPE "B"

NOTE: REQ. HOND GRAVEL

UNPLATTED

MAPLE LN.

UNPLATTED

DUGAN

WESTERLEA

WINTERSET LN.

FAIRHAVEN RD.

VILLAGE

4 5 4 5 4

N M

Nat. Ground

LINE NO. 1

8" REINF. CONC. ENCASEMENT

18" CLAY PIPE @ 0.25%

18" CLAY PIPE @ 0.25%

15" CLAY PIPE @ 0.30 %

15" CLAY PIPE @ 0.30%

15" CLAY PIPE @ 0.30%

STA. 24+00 CONST. STD. M.H., TYPE "B"

STA. 24+51.3 CONST. STD. M.H., TYPE "B" INSTALL 8"X30° STUB N. STA. 0+00 LINE NO. 2

STA. 29+50 CONST. STD. M.H., TYPE "A"

STA. 32+23.5 CONST. STD. M.H., TYPE "A" INSTALL 8"X90° STUB N.

120

110

100

FIG. 108.54

108.79

109.04

18" FIG OUT 109.17
15" FIG IN 109.42
8" SAN. N. FIG IN 110.12

109.57

109.87

110.17

FIG. 110.32

110.47

110.77

111.07
FIG OUT 111.14
FIG IN 112.05
8" SAN. N. FIG IN 111.82

113.31

113.61

113.91

351.3 LIN. FT. 18" CLAY PIPE @ 0.25% GRADE
351.3 LIN. FT. 8" REINF. CONC. ENCASEMENT

848.5 LIN. FT. 15" CLAY PIPE @ 0.30%

23 24 25 26 27 28 29 30 31 32 33 34 35

MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 4 OF 13

B.M. 130.58 R.R. Spike S. Side P. pole on N.E. cor. Taft & Ralston

UNPLATTED

Henry B. Duncan
% Don S. Harthwaite
710 Union Nat. Bank Bldg.

STA. 35+98.5 CONST. STD. M.H. TYPE "A" INSTALL 8'x48" STUB N.

STA. 39+79 CONST. STD. M.H. TYPE "A" INSTALL 8'x48" STUB N.

STA. 43+49 CONST. OUTSIDE DROP STR. M.H. TYPE "B" INSTALL 8'x48" STUB N.

LINE NO. 1

TAFT AVE.

HOVIE RD. — RALSTIN RD. — SCOULLER DR.

WESTERLEA — VILLAGE

4 5 (L) 4 5 (K) 4 5 (J) 4 (I)

30' Public Utility Easement

STA. 35+98.5 CONST. STD. M.H. TYPE "A" INSTALL 8'x48" STUB N.

STA. 39+79 CONST. STD. M.H. TYPE "A" INSTALL 8'x48" STUB N.

STA. 43+49 CONST. OUTSIDE DROP STR. M.H. TYPE "B" INSTALL 8'x48" STUB N.

Nat. Ground

LINE NO. 1

4' dia.

"Drop" in 116.66

15" CLAY PIPE @ 0.30%

15" CLAY PIPE @ 0.25%

15" CLAY PIPE @ 0.25%

15" CLAY PIPE @ 0.25%

130 120 110

114.91 | F/O 114.18 S/O 114.96 N. F/O in 114.76 | 114.21 | 114.96 | 114.71 | 114.96 | F/O 115.15 S/O 115.08 N. F/O in 118.50 | 115.21 | 115.96 | 115.71 | 115.96 | F/O 116.08 S/O 116.00 N. F/O in 122.00 | 116.21 | 116.96 | 116.71 | 116.96

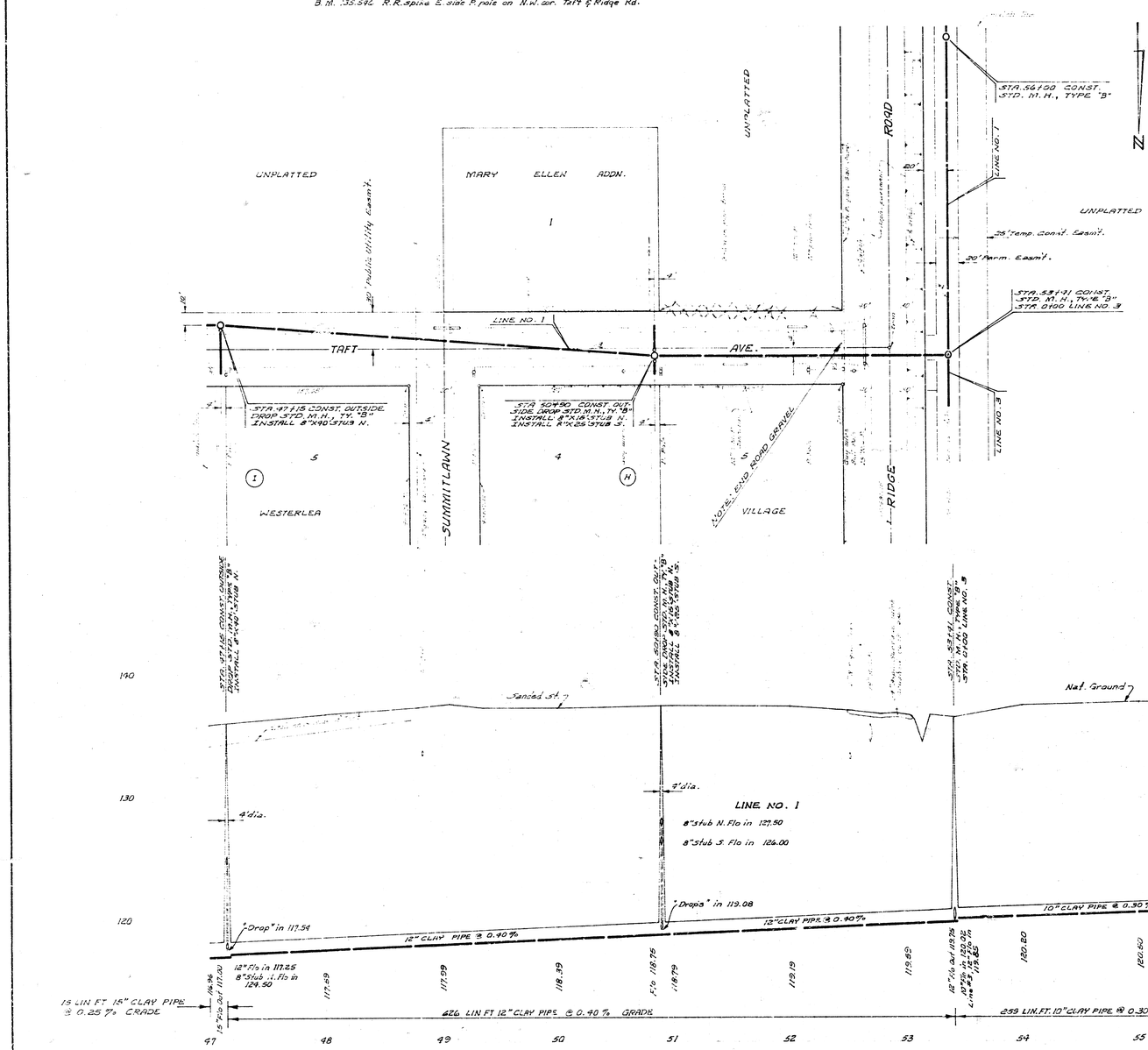
88.5 LIN. FT. 15" CLAY PIPE @ 0.30% GRADE

1111.5 LIN. FT. 15" CLAY PIPE @ 0.25% GRADE

35 36 37 38 39 40 41 42 43 44 45 46 47

MAIN 9, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 9 OF 18

B.M. 1335.54' R.R. spike E. side P. pole on N.W. cor. Taft & Ridge Rd.



GENERAL NOTES:

#1 All sand backfill is to be flushed & vibrated and shall be included in bid price of lineal Ft. of pipe. Where flushing of the sand material is directed by the Engineer, the Contractor shall backfill the Backfill using water, jets & vibrators. Flushing shall be included in the bid price or lineal Ft. of pipe.

#2 The Contractor shall be responsible for all settlement of backfill which may occur within one year after final completion of the project. The Contractor shall make or cause to be made, all necessary fills, replacements & repairs within thirty days after notice from the Engineer.

#3 "Culverts & ditches." After backfilling operations have been completed, all street & driveway culverts & drainage structures which have been removed or damaged shall be restored to proper lines & grades, using new or rem. material as necessary. All road ditches shall be graded for proper drainage & restored to their orig. condition.

#4 Cost of removing & replacing mailboxes, road signs etc. shall be incidental to the project.

#5 All 8" stubs to be installed @ 0.30% grade unless otherwise noted on plans.

#6 The Contractor shall notify Police & Fire Dept., U.S.D. #, Public Transportation prior to closing various streets during project construction, in order to provide access to Schools for school busses & Patrols of Schools etc.

#7 "Lin. Ft. Road Gravel." After construction operations are complete on Taft Ave. from Hoover St. to Kings Rd. & on Hendrix Ave. from Woodchuck Dr. to W.L. of Turquoise Ln. & on Dugan Rd from Taft Ave. to 1,000 South of Taft Ave., shall be shaped & graded for a roadbed width of 28' & shall be surfaced with road gravel @ the rate of 400 lbs. per lin Ft. width as set forth in the std. spec. of the City of Wichita for Asph. pavement. Payment shall be made as lin Ft. of road gravel in place.

#8 No direct payment will be made for the removal of any asphalt surfacing encountered on this project.

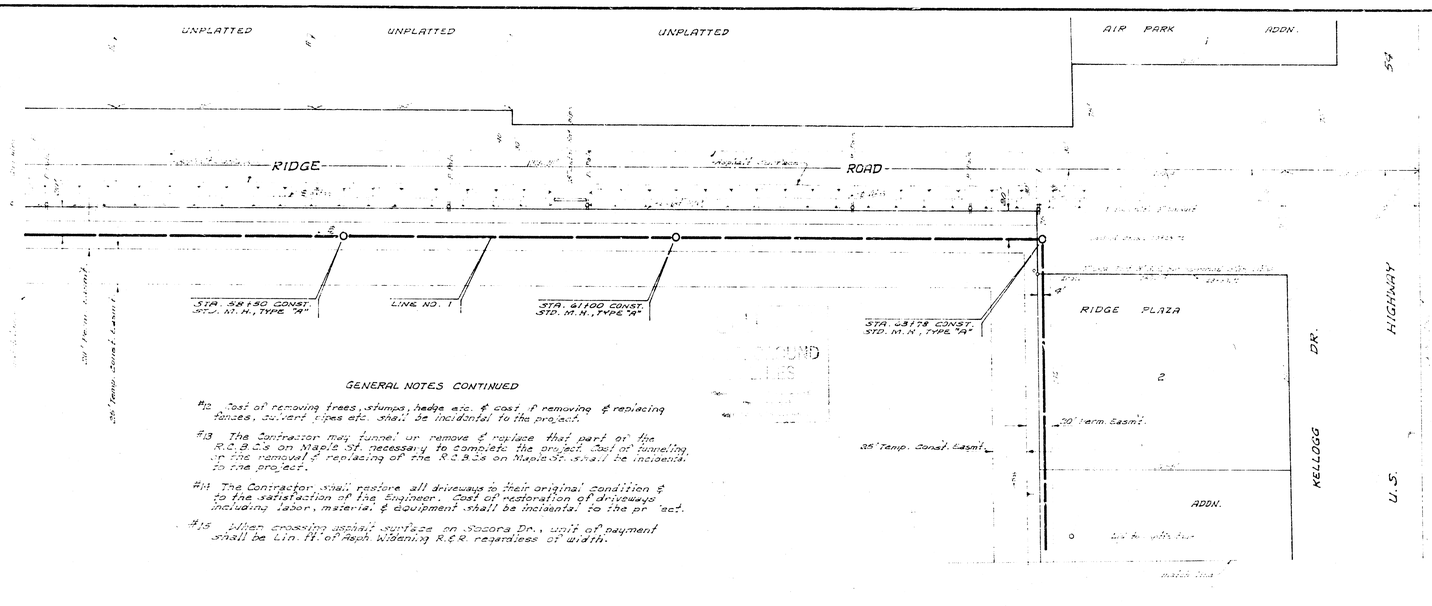
#9 The replacement of the asphalt surfacing in the trench area in Kings Rd & Taft, Woodchuck & Hendrix shall be on a properly compacted subgrade & 6" of asphalt base course & 2" of asphalt surface course (Type SA) as specified in the City of Wichita Asph. pave. spec. The 2+3 Item "Asph. Street Crossing repair" shall include the furnishing of all material, labor, equipment & any other incidental necessary to complete the work.

#10 The Contractor shall replace the 3' asphalt widening strip along the W. side of Maple St. on a properly compacted subgrade with 6" of asphalt base course & 2" of asphalt surface course (Type SA) as specified in the City of Wichita Asph. pavement spec. The bid item "Lin. Ft. of Asph. Widening Removed & Replaced" shall include the furnishing of all material, labor, equipment & any other incidental necessary to complete the work.

#11 The replacement of the brick pavement in the trench area where manholes are made on Maple St. shall consist of 6" of Conc. base with 1" of asphaltic cement on a properly compacted subgrade. Trench width shall be 16'-0" min. distance & the base & brick rem. as per detail on sheet #5. The bid item "Brick Pavt. Street Crossing Repair" shall be lump sum & shall include all cost of removing & replacing material, labor, tools & equipment & any other incidentals necessary to complete the work. Any brick pavement adjacent to & south of the 3' Asphalt shoulder on the W. side of Maple St. damaged or removed shall be replaced to the satisfaction of the Engineer shall be at the expense of the Contractor.

General Notes continued on sheet #7

MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 6 OF 18



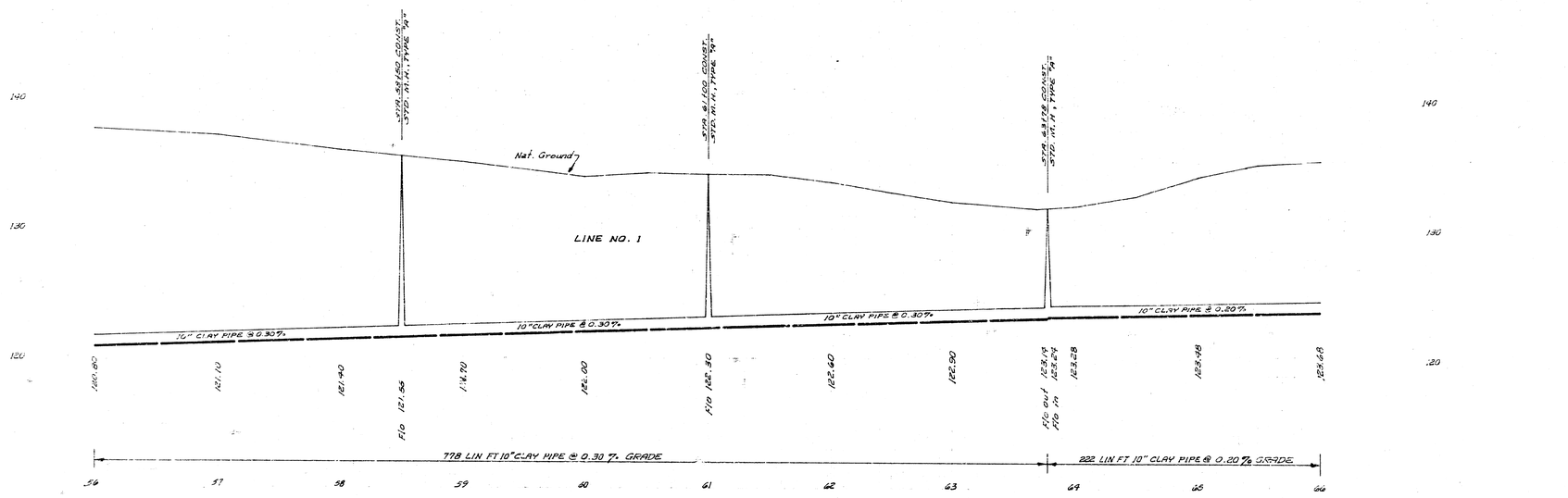
GENERAL NOTES CONTINUED

#12 Cost of removing trees, stumps, hedge etc. & cost of removing & replacing fences, culvert pipes etc. shall be incidental to the project.

#13 The Contractor may tunnel or remove & replace that part of the R.C.B.C.'s on Maple St. necessary to complete the project. Cost of tunneling or the removal & replacing of the R.C.B.C.s on Maple St. shall be incidental to the project.

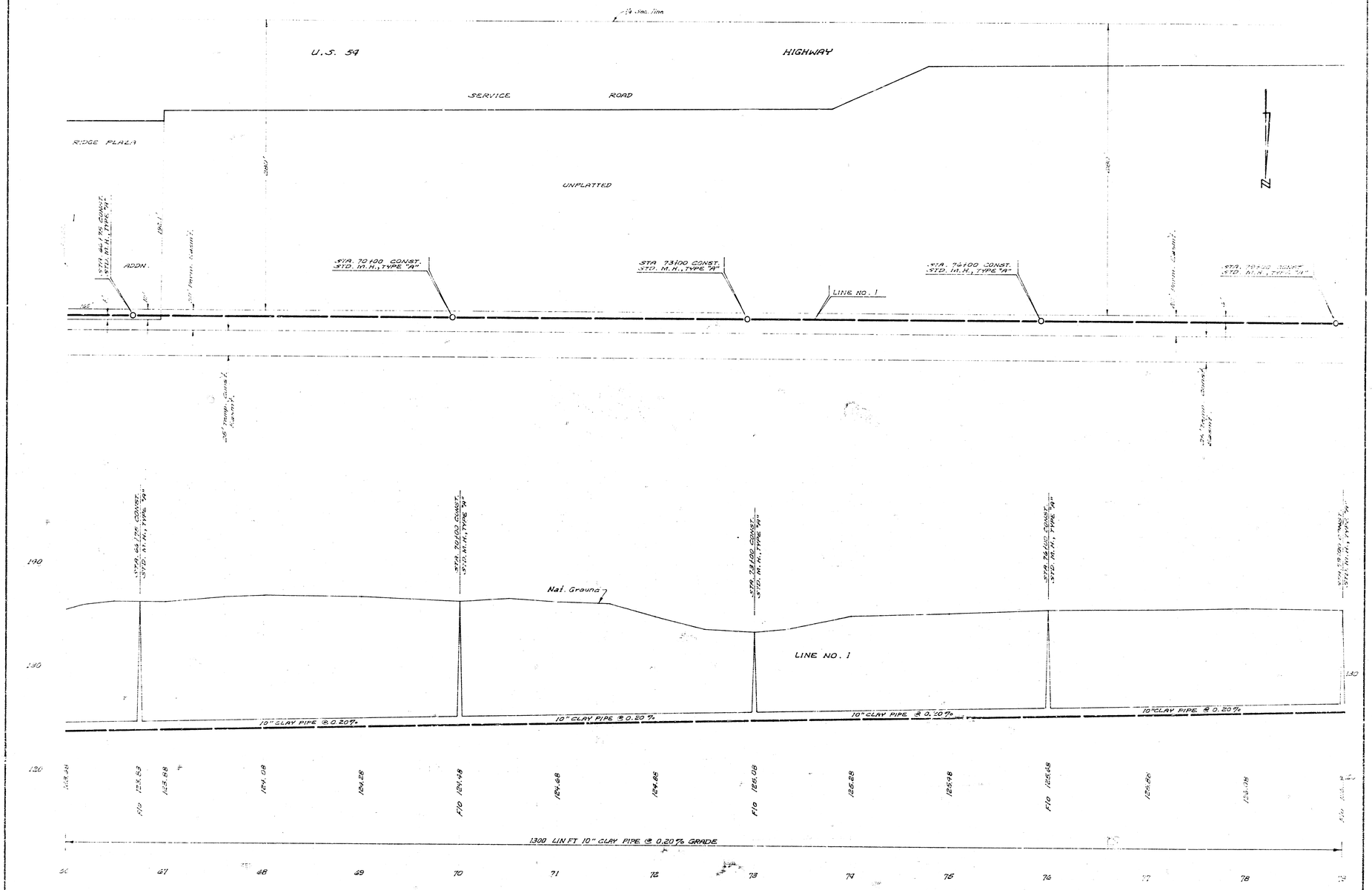
#14 The Contractor shall restore all driveways to their original condition & to the satisfaction of the Engineer. Cost of restoration of driveways including labor, materials & equipment shall be incidental to the project.

#15 When crossing asphalt surface on Socora Dr., unit of payment shall be Lin. Ft. of Asph. Widening R.C.B. regardless of width.

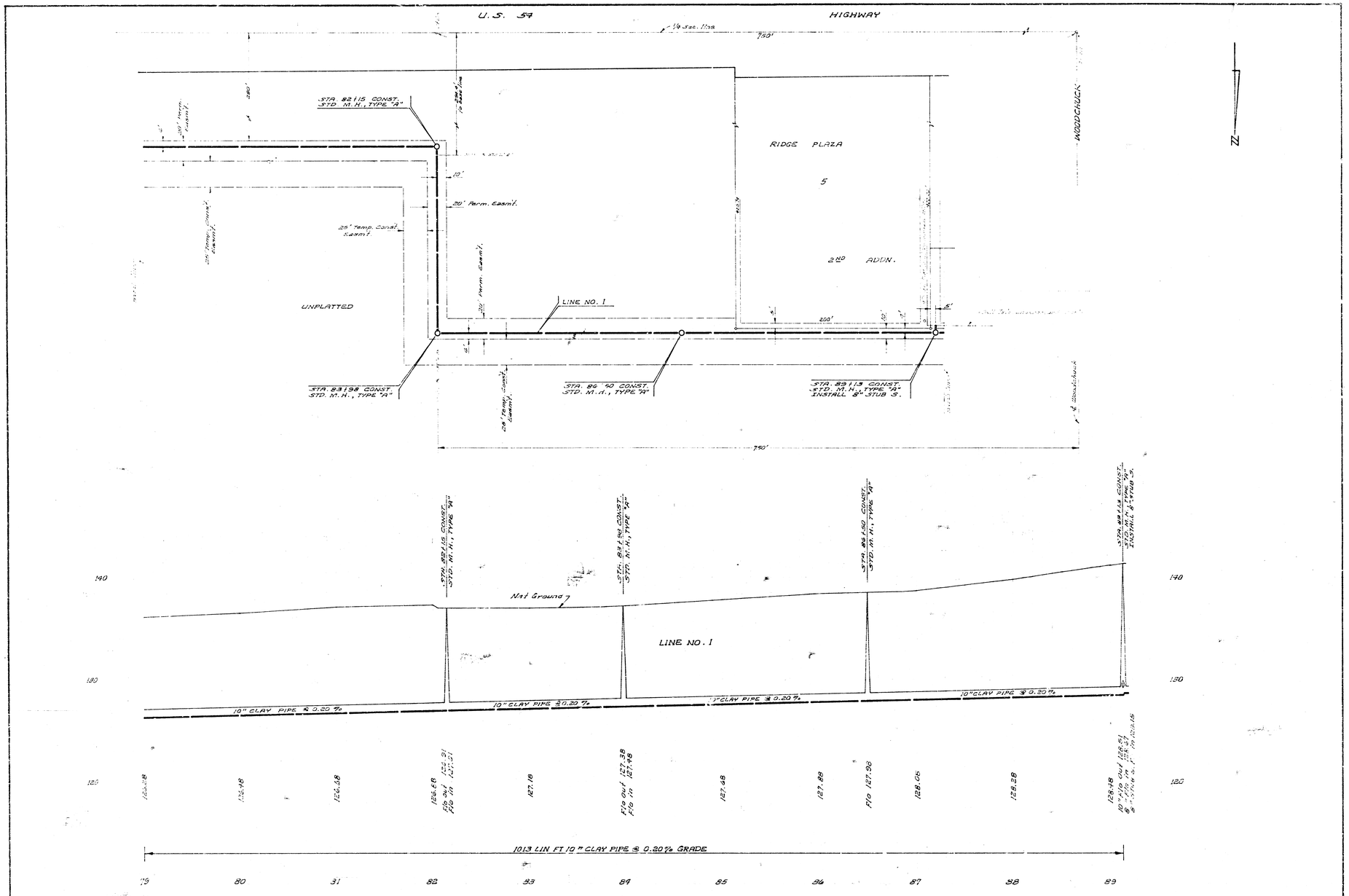


MAIN 4, S. W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 7 OF 15

B.M. 136.883 R.R. Spike S. side P. Pole on S. side Acc. Rd. To U.S. 54 Approx. 1380' W. of Ridge Rd.

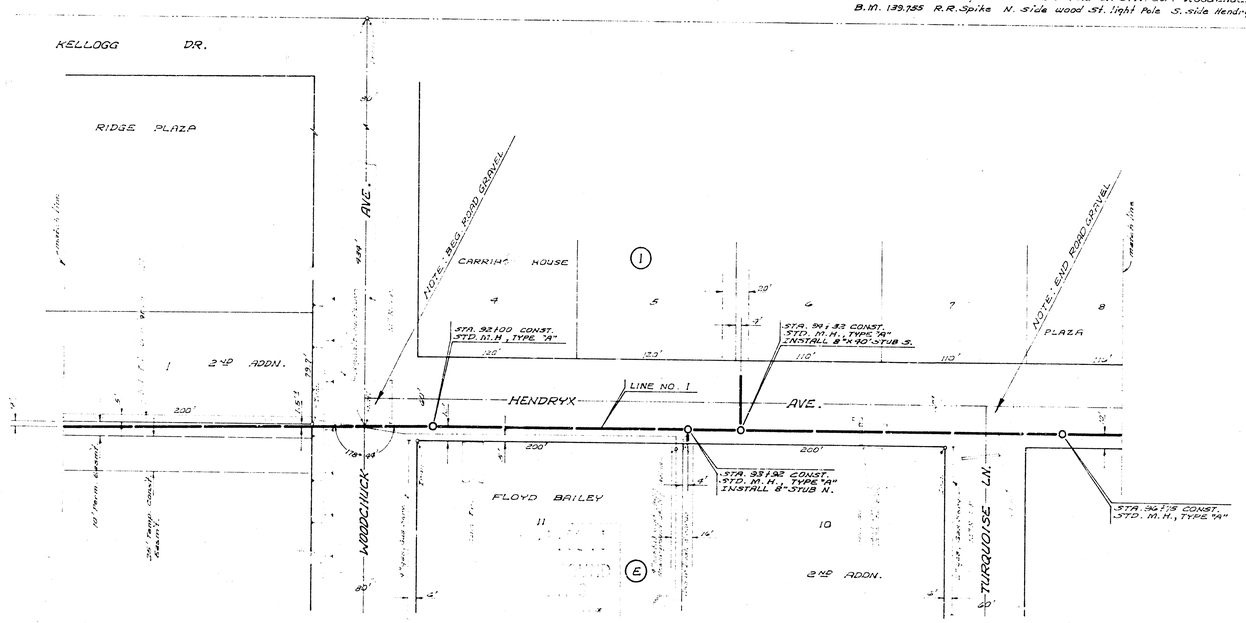


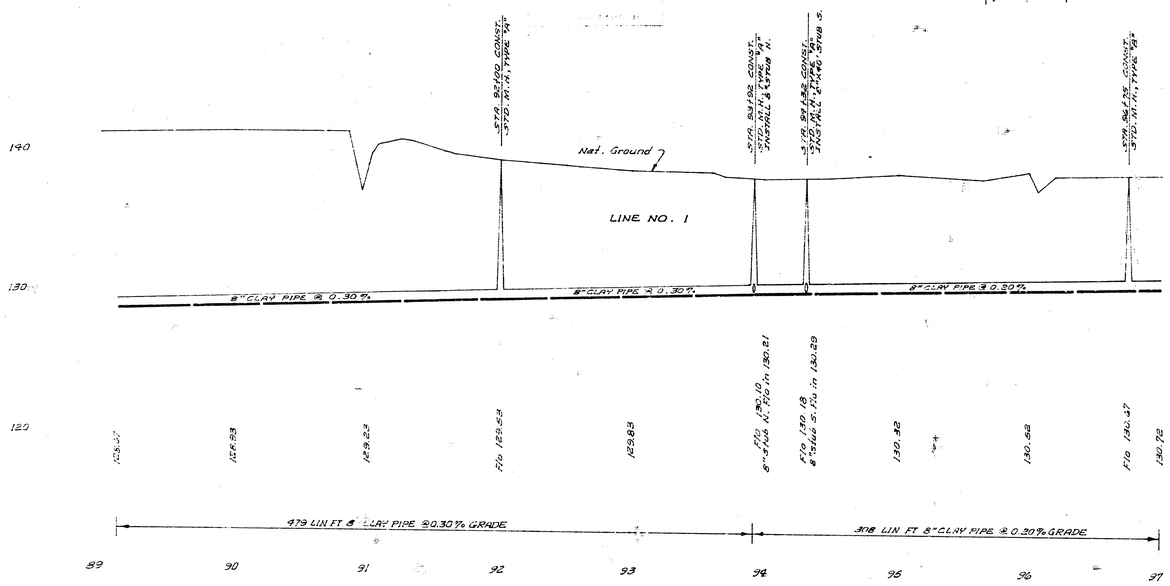
MAIN 9, S.W. INTERCEPTOR
PROJ. NO. DBRN5770035
LINE NO. 1 SHEET 8 OF 18



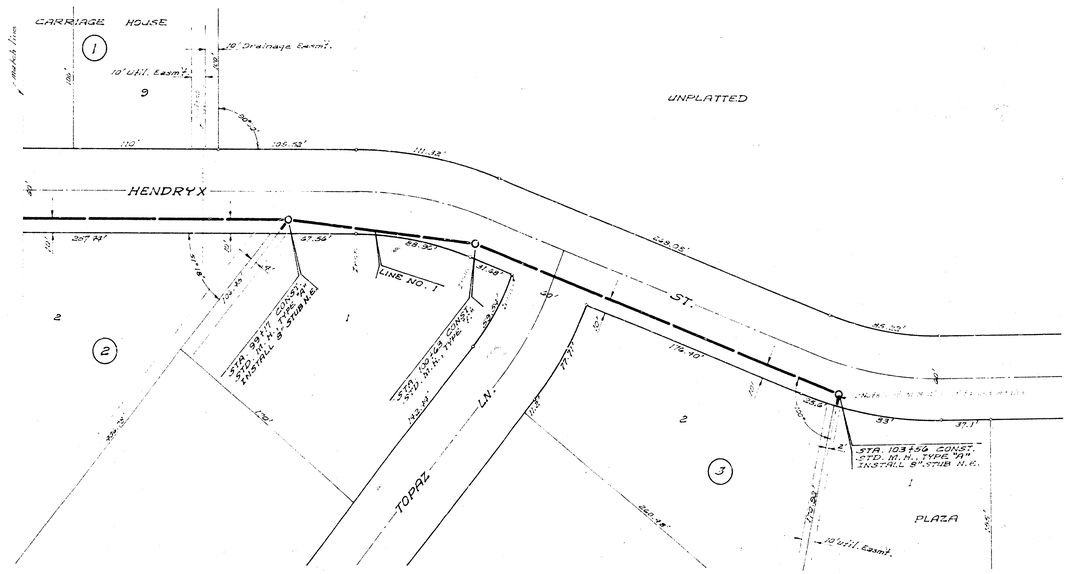
MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBK1570035
LINE NO. 1 SHEET 9 OF 18

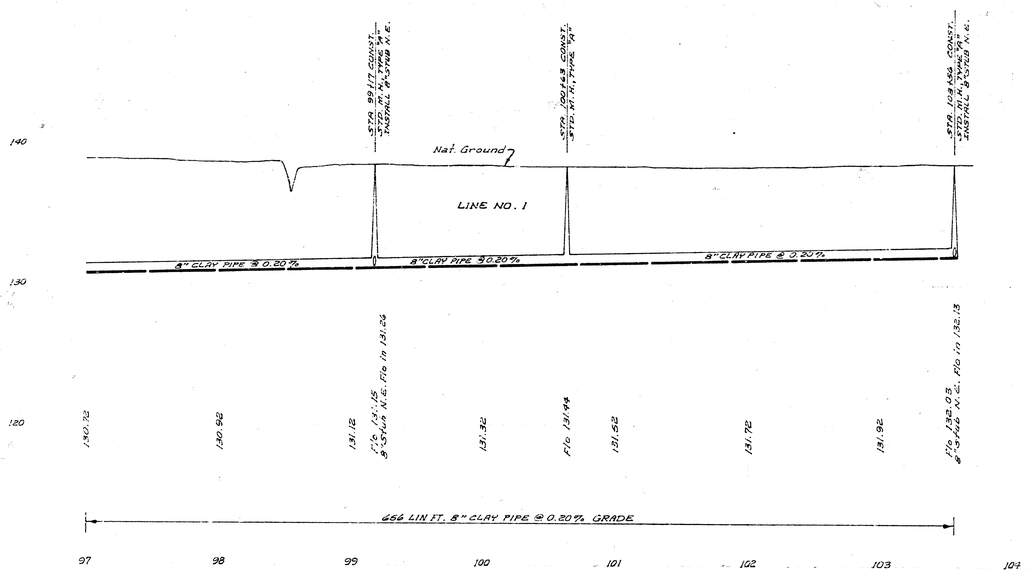
B.M. 140.97 R.R. Spike W. side P. Pole on S.W. cor. Woodchuck & Hendryx Ave.
B.M. 139.755 R.R. Spike N. side wood St. light Pole S. side Hendryx & 12'W. of E. line Turquoise





MAIN 4, S.W. INTERCEPTOR
PROJ. NO. D8KM570035
LINE NO. 1 SHEET 10 OF 18

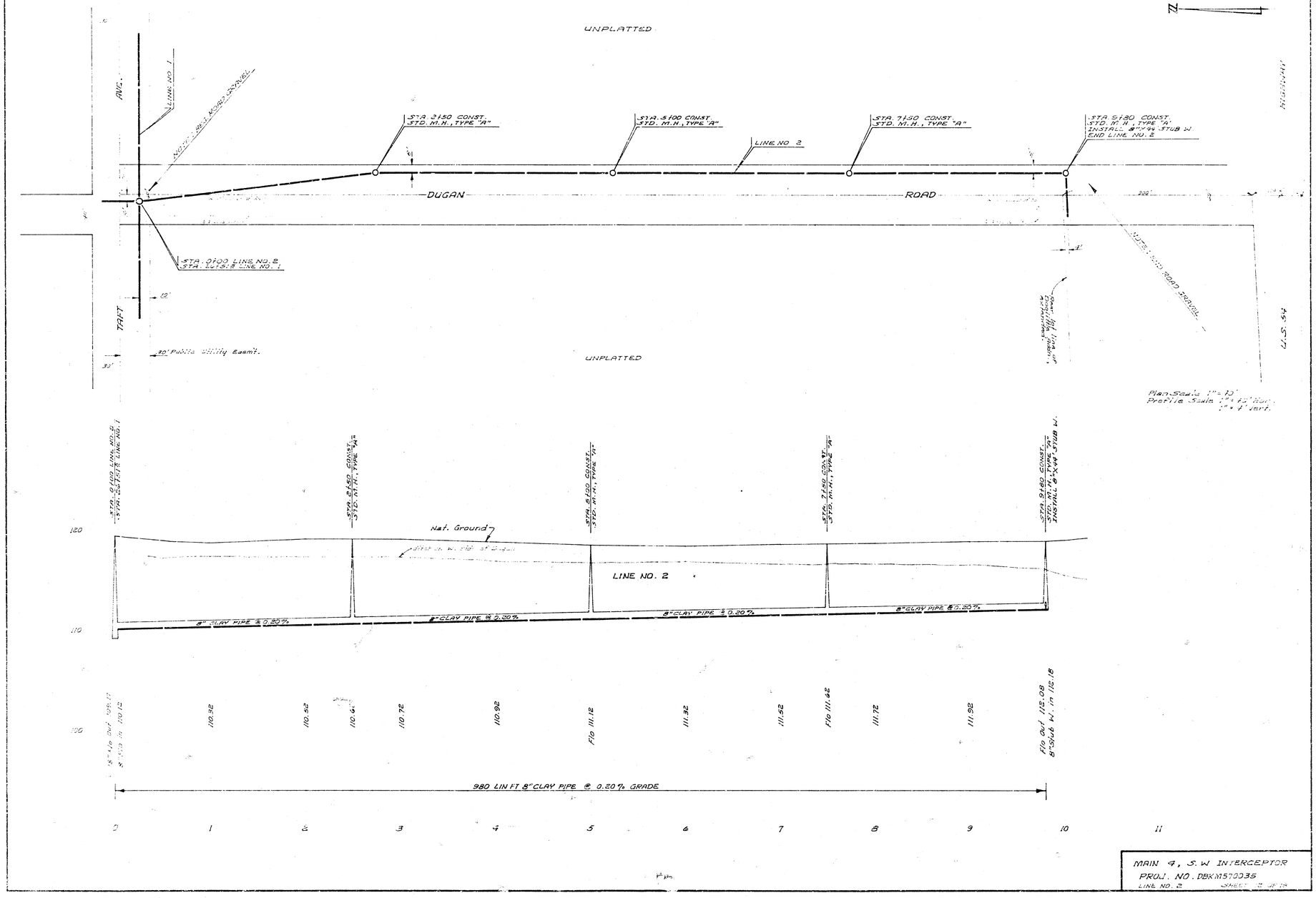




MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 1 SHEET 7 OF 18

B.M. 120.198 R.R. spike S. Side P. Pole Ctr. of Dugan Rd. on N. Side Taft

B.M. 120.619 R.R. Spike E. side P. Pole on S.W. cor. Dugan Rd. & Old Mill Hwy.



MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 2 SHEET 15 OF 19

B. M. 135.545 R.R. Spike E. side P. pole on N.W. cor. Taft & Ridge Rd.

UNPLATTED

N

match line

STA. 9+00

20' PERM. EASMT.

25' TEMP. CONST. EASMT.

STA. 3+00, LINE NO. 4
STA. 33+74, LINE NO. 1

45° TEMP. CONST. EASMT.

STA. 5+00 CONST. STD. M.H., TYPE "B"

STA. 4+50 CONST. STD. M.H., TYPE "B"

STA. 6+89.2 CONST. STD. M.H., TYPE "A"

53°53'

85°00'

STA.

MAPLE

LINE NO. 3

20' PERM. EASEMENT

RIDGE ROAD

LINE NO. 1

TAFT

	STA. 3+00, LINE NO. 4 STA. 33+74, LINE NO. 1	STA. 5+00 CONST. STD. M.H., TYPE "B"	STA. 4+50 CONST. STD. M.H., TYPE "B"	STA. 6+89.2 CONST. STD. M.H., TYPE "A"
	0	1	2	3
Nat. Ground	140			
	130			
	120			
	120.05	F/O 120.85	120.95	120.65
		F/O 120.75	120.85	121.35
			F/O 121.33 F/O 121.23	121.85
				121.65
				121.75

LINE NO. 3

12" CLAY PIPE @ 0.20%

12" CLAY PIPE @ 0.20%

12" CLAY PIPE @ 0.20%

12" CLAY PIPE @ 0.20%

900 LIN FT 12" CLAY PIPE @ 0.20% GRADE

0 1 2 3 4 5 6 7 8 9

MAIN 9, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 3 SHEET 1A OF 18

UNPLATTED

LINE NO. 3

STA. 9+84.4 CONST. STD. M.H., TYPE "B"

STA. 11+79.9 CONST. STD. M.H., TYPE "B"

STA. 13+49.9 CONST. STD. M.H., TYPE "B"

STA. 15+50 CONST. STD. M.H., TYPE "B"

STA. 17+75 CONST. STD. M.H., TYPE "B"

STA. 19+84.2 CONST. STD. M.H., TYPE "B"

20' Perm. Easmt.

25' Temp. Const. Easmt.

Match Line

STA. 21+50

Nat. Ground

LINE NO. 3

12" CLAY PIPE @ 0.20%

10" CLAY PIPE @ 0.25%

F/O 121.94
121.95

122.16

F/O 122.30

122.36

122.56

F/O 122.66

122.76

122.96

F/O 123.05

123.15

123.36

F/O 123.60

123.56

123.76

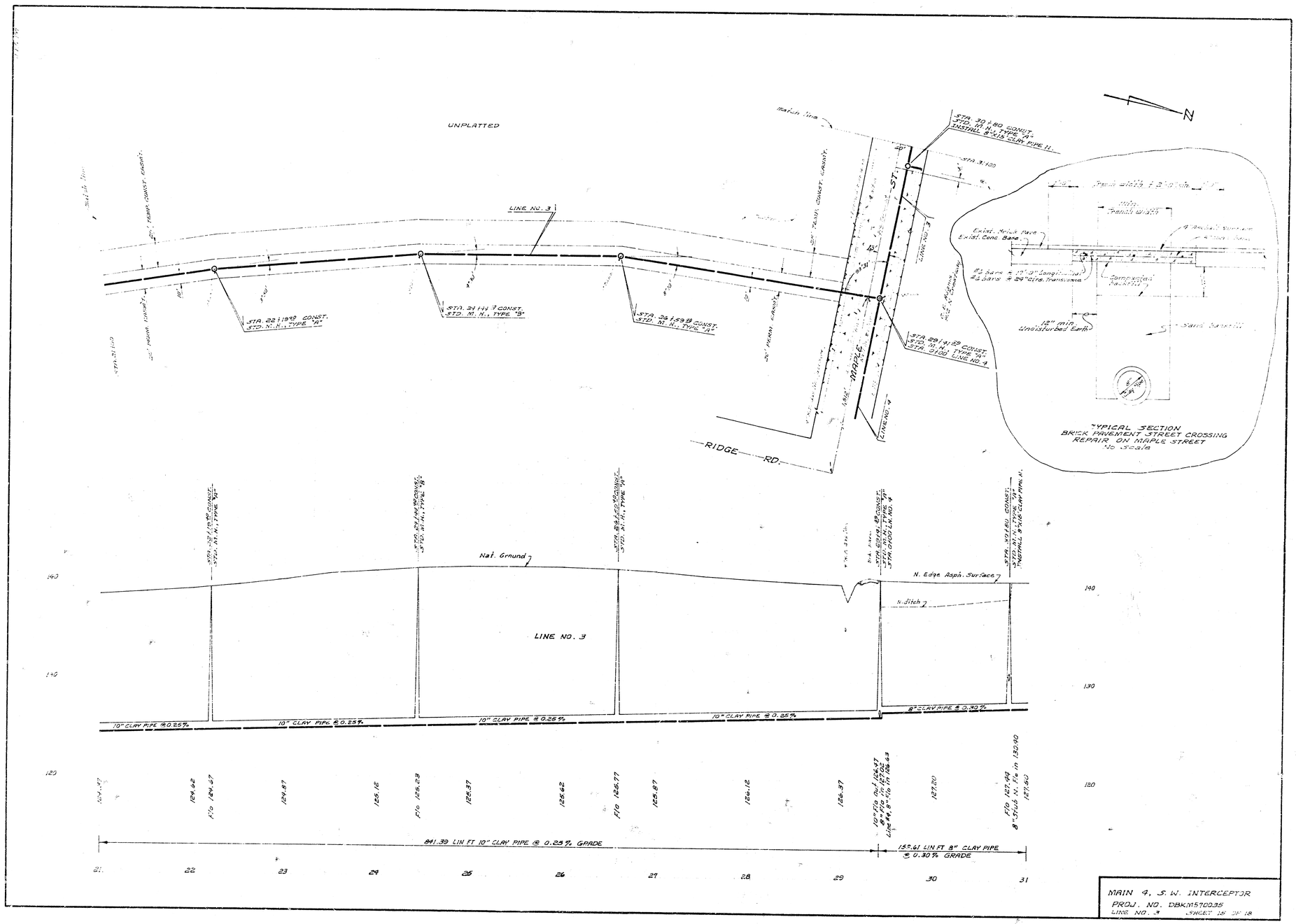
12" F/O 123.94
10" F/O 124.10
124.12

124.37

1094.9 LIN. FT. 12" CLAY PIPE @ 0.20% GRADE

105.60 LIN. FT. 10" CLAY PIPE @ 0.25% GRADE

MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 3 SHEET 4 OF 18



MAIN 4, S. W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 3 SHEET 15 OF 18

B.M. 141.384 R.R. Spike N. side Bell pole S. side Maple, 488'± E. of ℄ Woodchuck
B.M. 141.622 R.R. Spike S. side P. Pole N. side Maple ℄ ctr. of Woodchuck

UNPLATTED

UNPLATTED
School Dist. No. 49
(B.O.E.)

WOODCHUCK LANE

LINE NO. 3

MAPLE ST.

330'±

660'±

340'

40'

STA. 33109 CONST. STD. M.H., TYPE "A" INSTALL 8"X15" CLAY PIPE N.

STA. 35168 CONST. STD. M.H., TYPE "A" INSTALL 8"X30" STUB S.

STA. 38168 CONST. STD. M.H., TYPE "A"

STA. 40162 CONST. STD. M.H., TYPE "A" INSTALL 8"X18" CLAY PIPE N.

UNPLATTED

UNPLATTED

STA. 33109 CONST. STD. M.H., TYPE "A" INSTALL 8"X15" CLAY PIPE N.

STA. 35168 CONST. STD. M.H., TYPE "A" INSTALL 8"X30" STUB S.

STA. 38168 CONST. STD. M.H., TYPE "A"

STA. 40162 CONST. STD. M.H., TYPE "A" INSTALL 8"X18" CLAY PIPE N.

N. Edge Asph. Surface

N. Ditch

LINE NO. 3

8" CLAY PIPE @ 0.30%

8" CLAY PIPE @ 0.30%

8" CLAY PIPE @ 0.30%

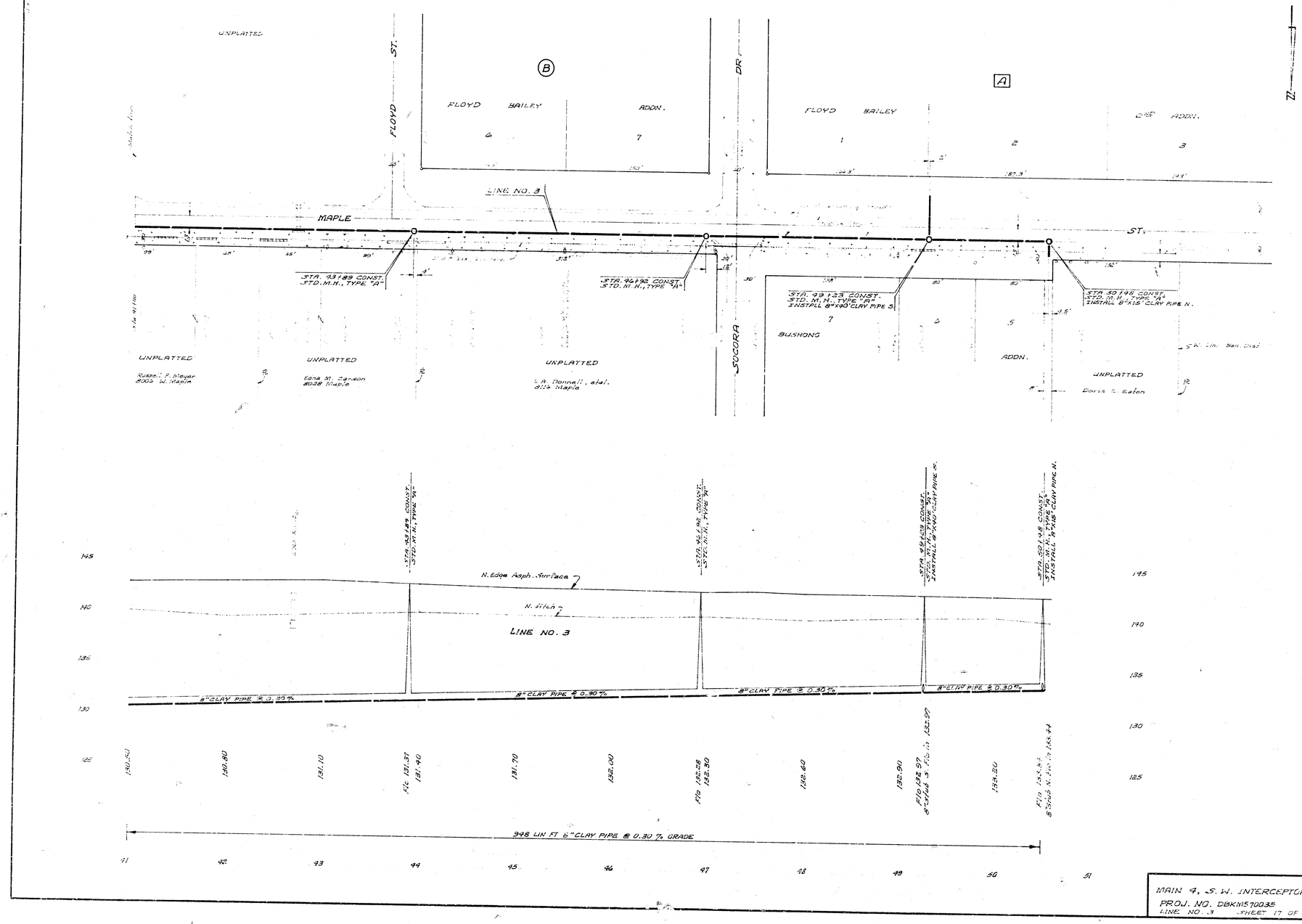
8" CLAY PIPE @ 0.30%

127.70	127.80	128.10	128.40 Flo. 128.40 8"Stub S. Flo. in 131.40	128.70	129.00	123.20 Flo. 123.20 8"Stub S. Flo. in	129.30	129.60	Flo 129.80	129.90	130.20	Flo 130.40 8"Stub N. Flo. in 133.00	130.30

1000 LIN FT 8" CLAY PIPE @ 0.30% GRADE

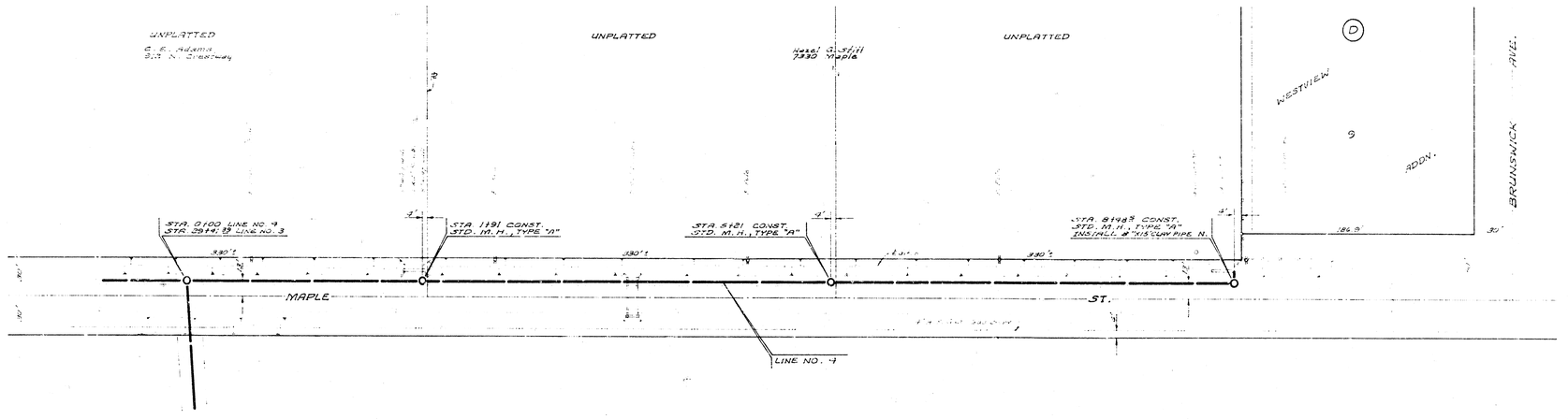
31 32 33 34 35 36 37 38 39 40 41

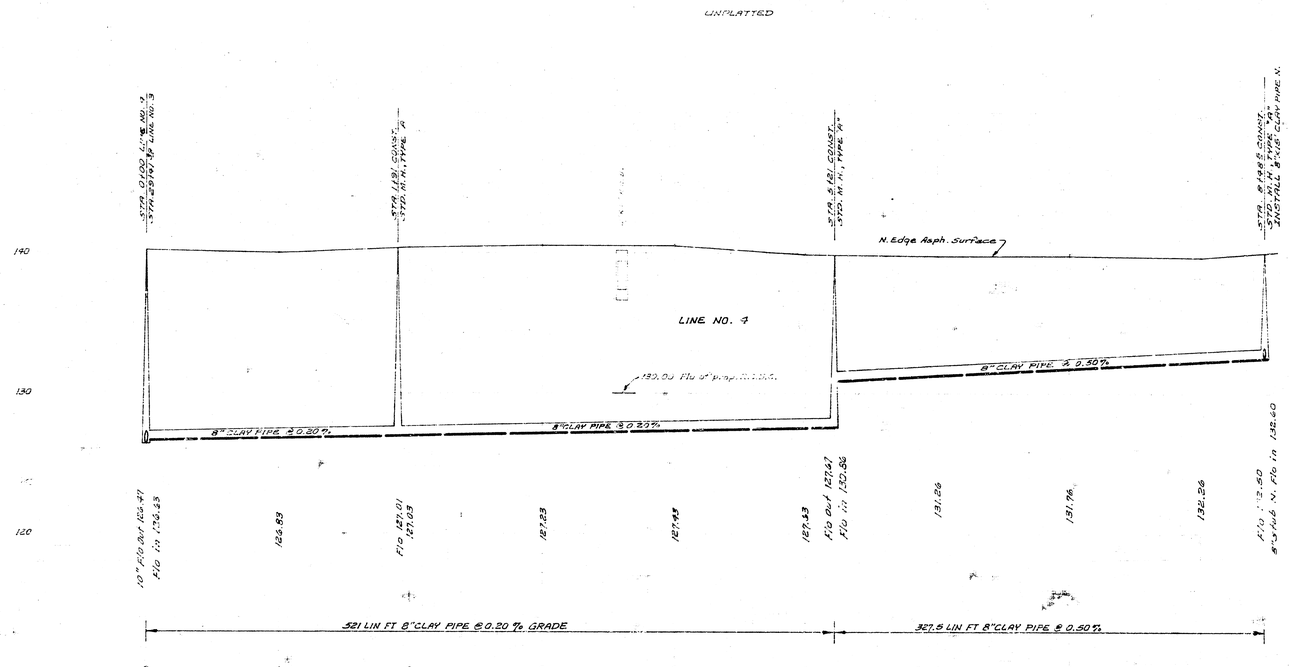
MAIN 4, S. W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 3 SHEET 14 OF 19



MAIN 4, S.W. INTERCEPTOR
PROJ. NO. DBKM1570035
LINE NO. 3 SHEET 17 OF 18

B.M. 139.133 R.R. spike S. side P. pole N. side Maple 52' E. ℄ 17'N. of Sta. 0+00 or 950'± W. of W.L. of Brunswick
B.M. 141.49 City Std. on S.E. Cor. Maple ℄ Ridge Rd.





MAIN 9, S. W. INTERCEPTOR
PROJ. NO. DBKM570035
LINE NO. 4 SHEET 13 OF 15