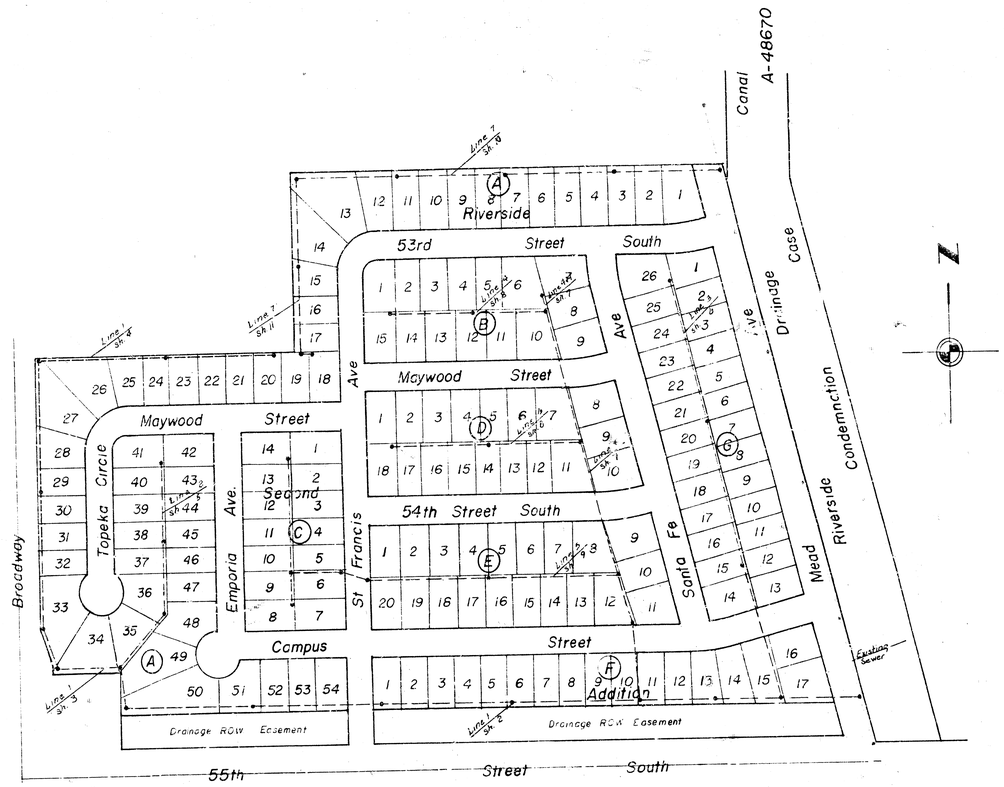


LAT. 12, MAIN 2, SOUTHWEST INTERCEPTOR

CITY OF WICHITA
R.W. LINN - CITY ENGINEER
PROJECT NO. DBKL577102
468-76-245-80461-000-000-001

NOTE: RISERS AND ADDITIONAL STUBS IN MANHOLES SHALL BE INSTALLED ON THIS PROJECT TO SERVE LOTS WHERE THE DEPTH OF THE 8" SEWER IS GREATER THAN 10 FT., WHERE THE SEWER IS IN ROCK, OR WHER. THE SEWER IS IN GROUND WATER. ELEVATIONS OF STUBS AND TOPS OF RISERS SHALL BE SUCH THAT WILL FACILITATE CONNECTION OF BASEMENT DRAINS WHEN LOTS ARE DEVELOPED. RISER CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SLOPING BENCH WALL AS SHOWN ON STANDARD RISER DETAIL SHEET. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN TAPE TO COLORED CAPS ON THE END OF THE RISER AND BROUGHT TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED CAPS WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. ALL RISERS SHALL BE CONSTRUCTED USING A.S.T.M. SCHEDULE 40 PIPE.

SCALE
PLAN: 1" = 40'
PROFILE
Hor: 1" = 40'
Vert: 1" = 5'

55TH ST. SOUTH

Sta. 0+00
Begin Construction
Const. Std.
Outside Drop M.H.
5' Dia. Type "B"

Riverside Drainage Canal

MEAD AVE.

Sta. 1+76.8 Line 1
Sta. 0+00 Line 3
Const. Std. M.H.
Type "A" or "C"

Drainage

Sta. 3+46.8
Const. Std. M.H.
Type "A" or "C"

R.O.W.

Sta. 5+14.8 Line 1
Sta. 0+00 Line 4
Const. Std. M.H.
Type "A" or "C"

Easement

Sta. 8+14.8
Const. Std. M.H.
Type "A" or "C"

Sta. 11+00

Riverside 2nd Addition

Lots 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1

Line 1 — Line 3 — Line 4

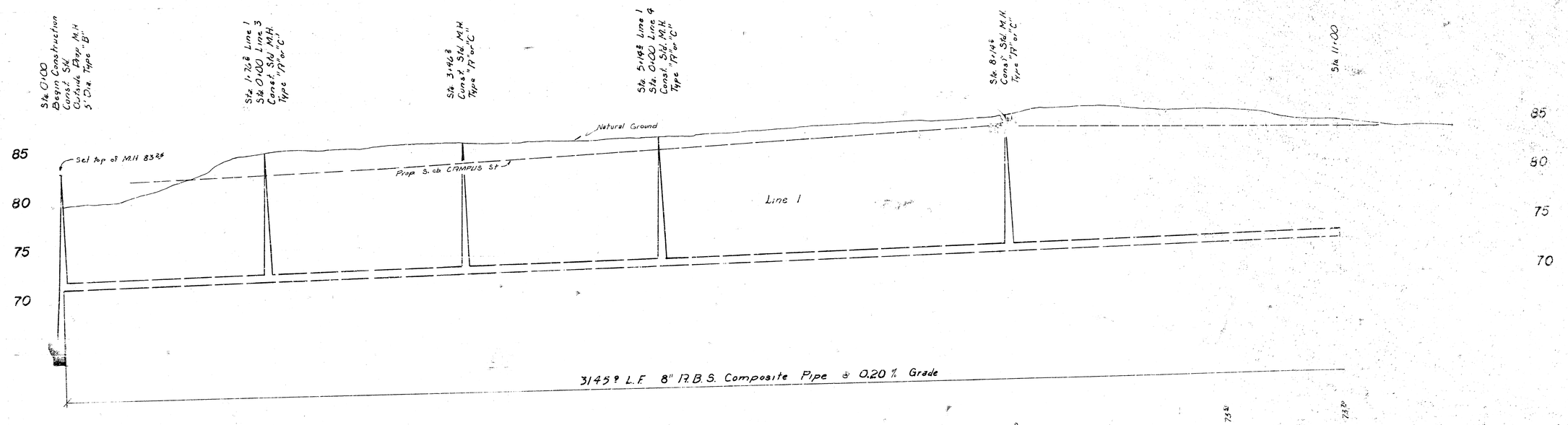
20' Utility Easement

10' Sewer Easement

CAMPUS STREET

ST. FRANCIS AVE.

BM 83.58 City Std. Disc. 44' E and 52' S of ℄ of Broadway and 55th st. south.



Lat 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80461-000-000-001

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55TH ST. SOUTH

ST. FRANCIS AVE.

BROADWAY

CAMPUS STREET

Drainage ROW Easement

Sta. 11+14.8 Const. Std. M.H. Type "A" or "C"

Sta 11+00

Riverside

20' Utility Easem't

Drainage ROW Easement

Sta. 14+19.8 Const. Std. M.H. Type "A" or "C"

Second

Line 1

20' Utility Easem't

Sta. 17+19.7 Const. Std. M.H. Type "A" or "C"

RI-335-IA

Sta. 18+14.9 Line 1 Sta. 0+00 Line 2 Const. Std. M.H. Type "A" or "C"

Sta. 19+62.8 Const. Std. M.H. Type "A" or "C"

Sta. 20+00

Addition

Line 2

5 4 3 2 1 54 53 52 51 50 49 48 35 34 33

Sta 11+00 Sta. 11+14.8 Const. Std. M.H. Type "A" or "C"

Sta. 14+19.8 Const. Std. M.H. Type "A" or "C"

Sta. 17+19.7 Const. Std. M.H. Type "A" or "C"

Sta. 18+14.9 Const. Std. M.H. Type "A" or "C"

Sta. 19+62.8 Const. Std. M.H. Type "A" or "C"

Sta. 20+00

Natural Ground

Prop. S. to CAMPUS St.

Line 1

Prop. TOPEKA Cir.

85 80 75 70

314.5± L.F. 8" R.C.P. Composite Pipe @ 0.20 % Grade

73.0 / 73.5 Flo

73.2

74.1

74.8 / 74.3 Flo

74.3

74.9

74.2 Flo Out / 73.9 Flo In

73.8 / 74.3 Flo Out / 73.8 Flo In

73.8

73.4 Flo Out / 73.1 Flo In

73.8

11 12 13 14 15 16 17 18 19 20

SCALE

PLAN: 1" = 40'

PROFILE:

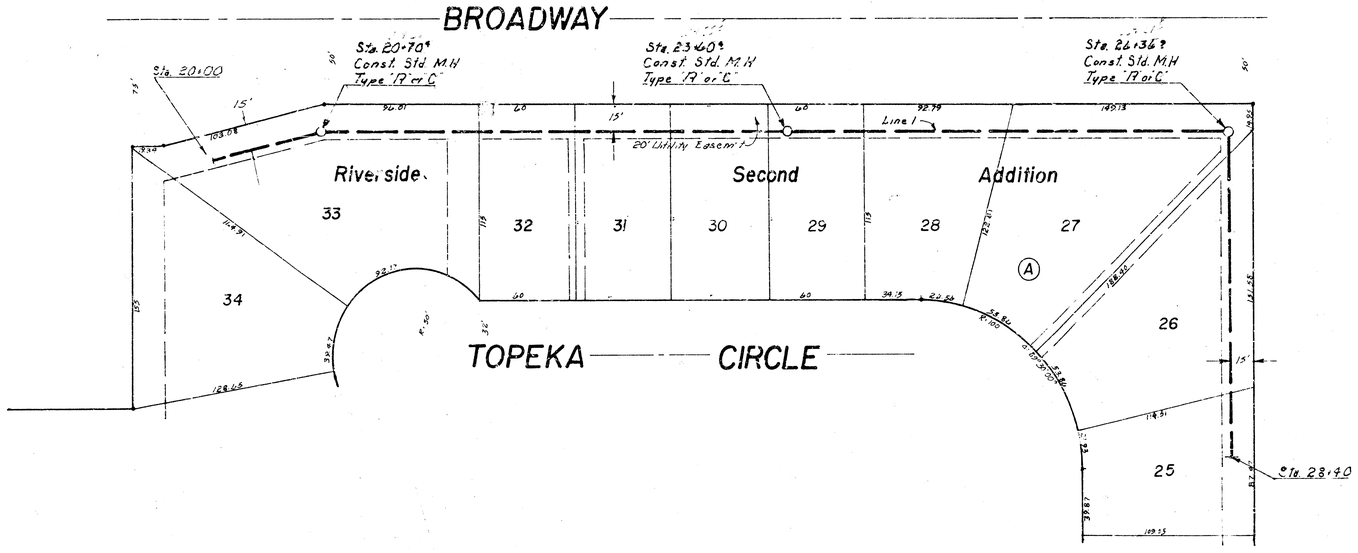
Hor.: 1" = 40'

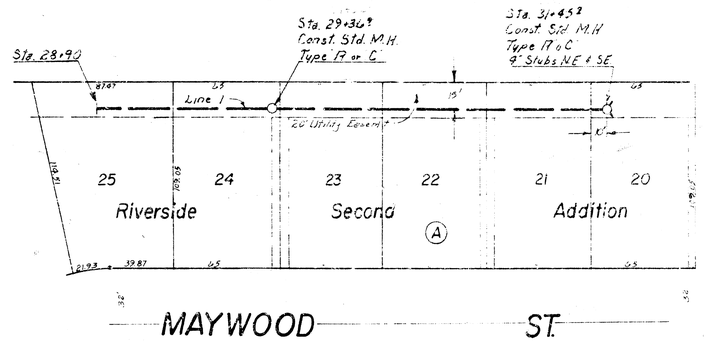
Vert.: 1" = 5'

Lat 12, Main 2 SOUTHWEST INTERCEPTOR

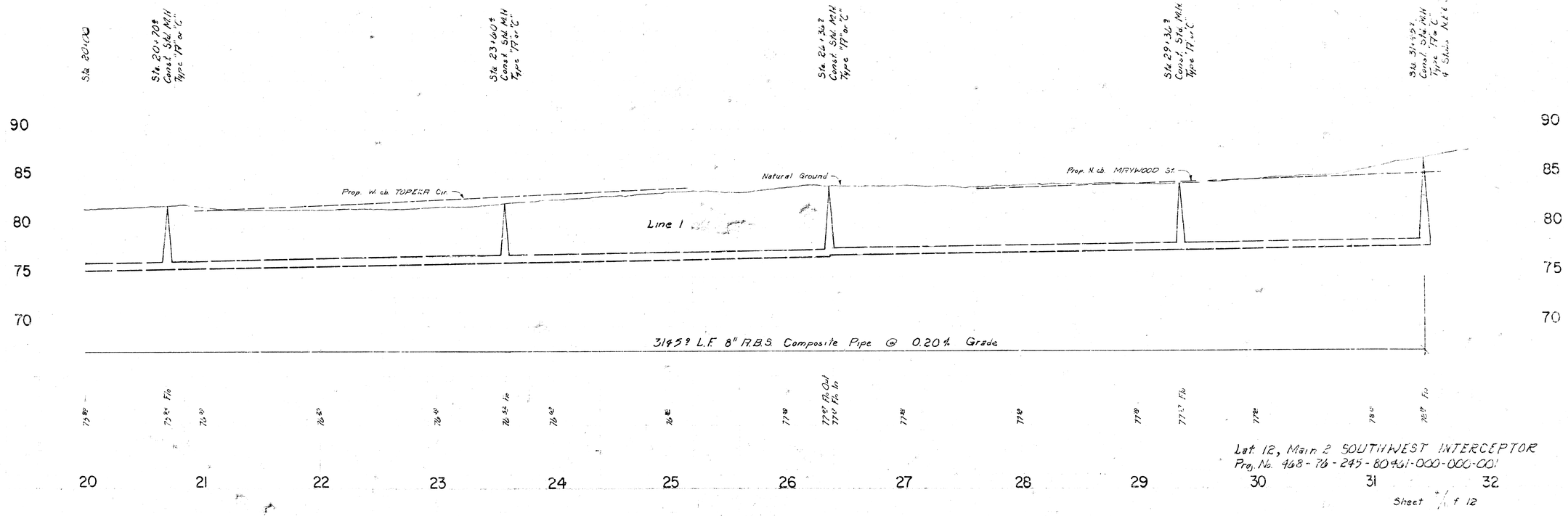
Proj. No. 468-76-245-80401-000-000-001

Sheet 7 of 12



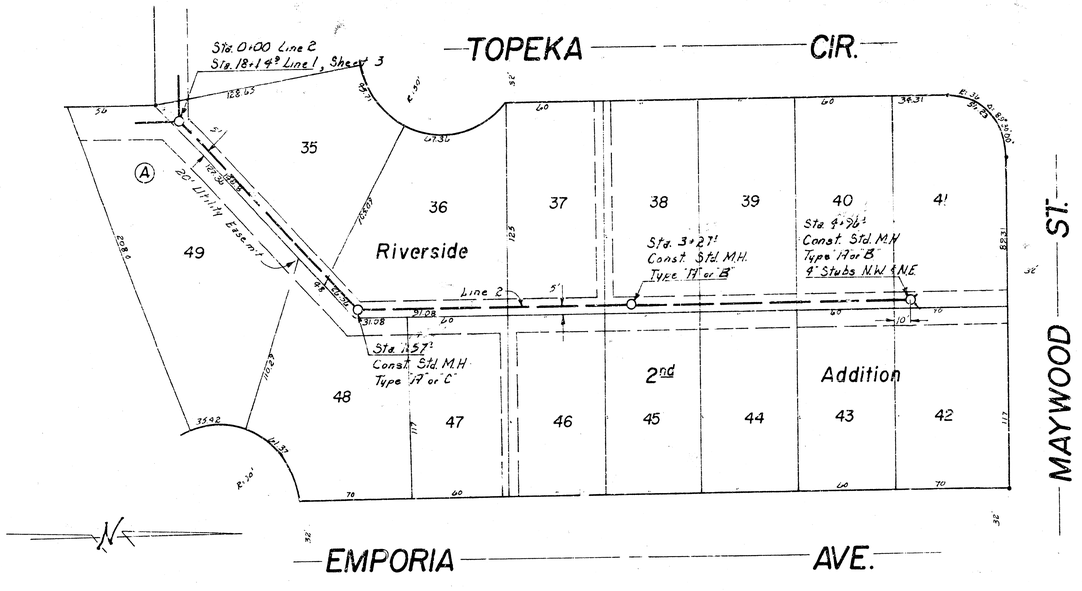


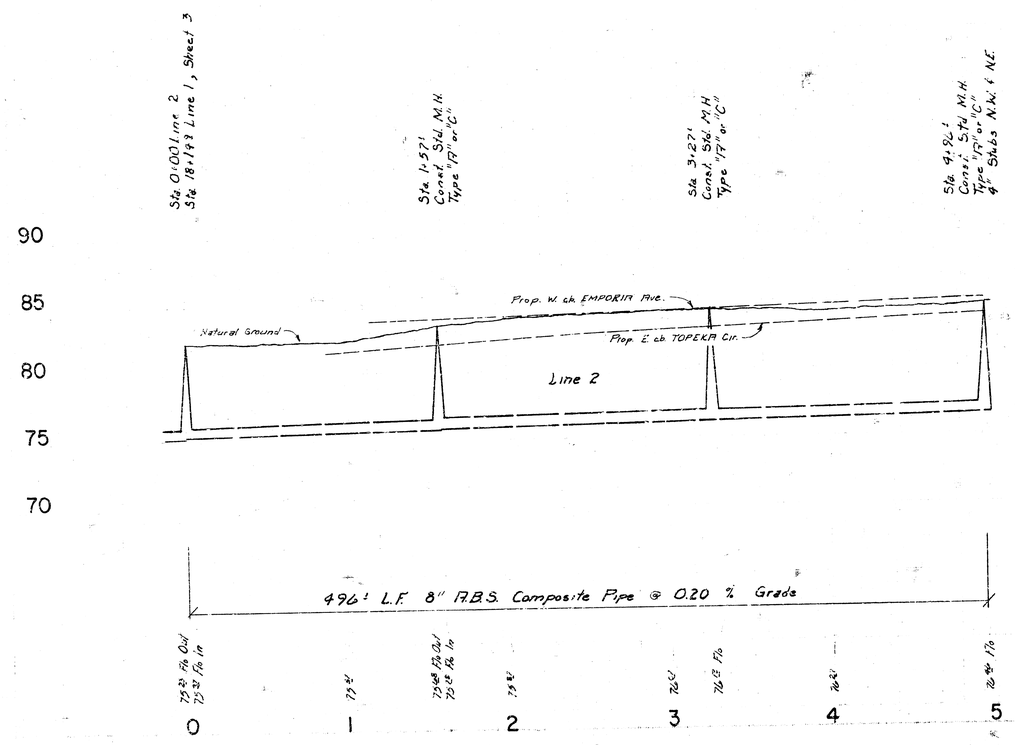
SCALE
PLAN: 1" = 40'
PROFILE
Hor.: 1" = 40'
Vert.: 1" = 5'



Lat 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80461-000-000-001

Sheet 7 of 12

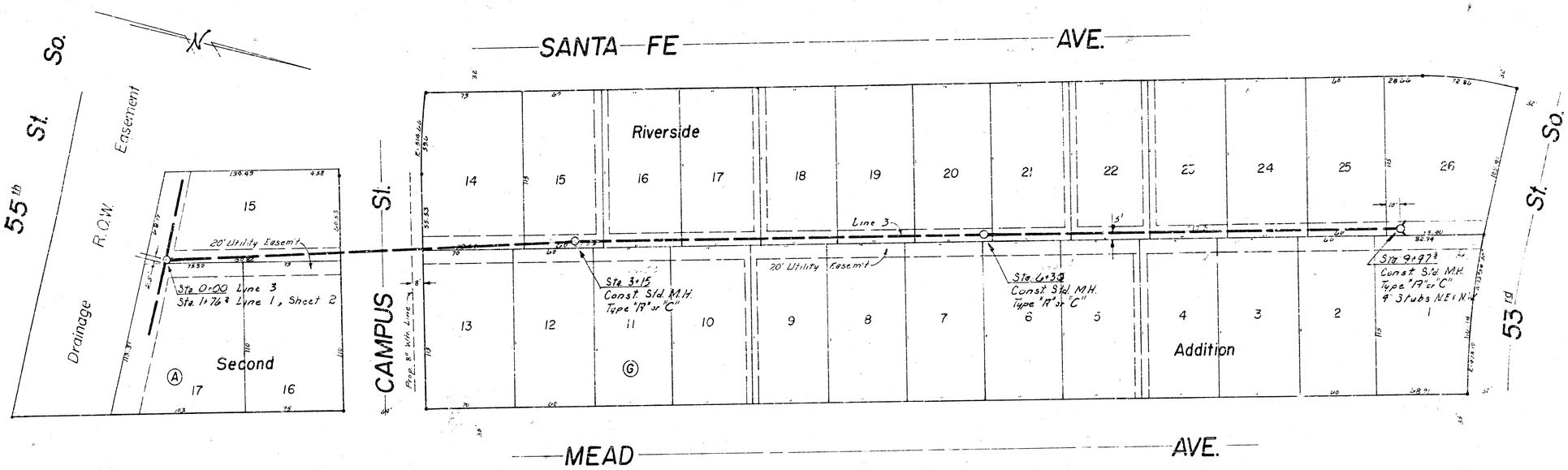


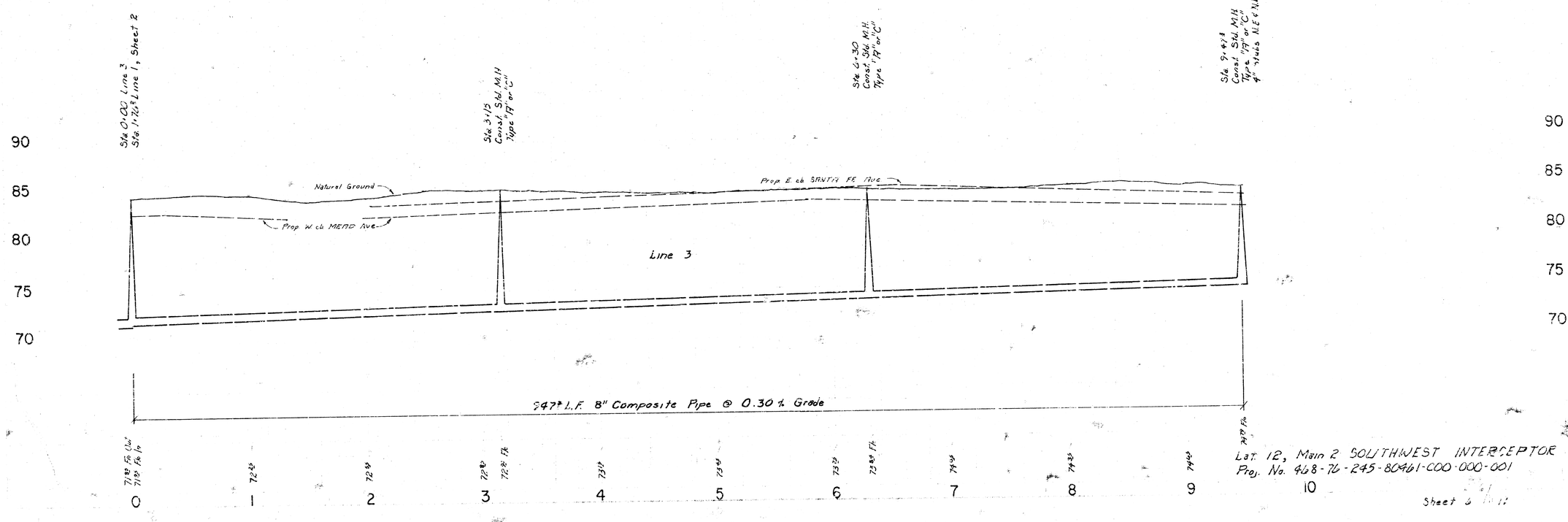


SCALE
PLAN: 1" = 40'
PROFILE:
Hor.: 1" = 40'
Vert: 1" = 5'

Lat. 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-8046!-000-000-001

Sheet 2 of 12

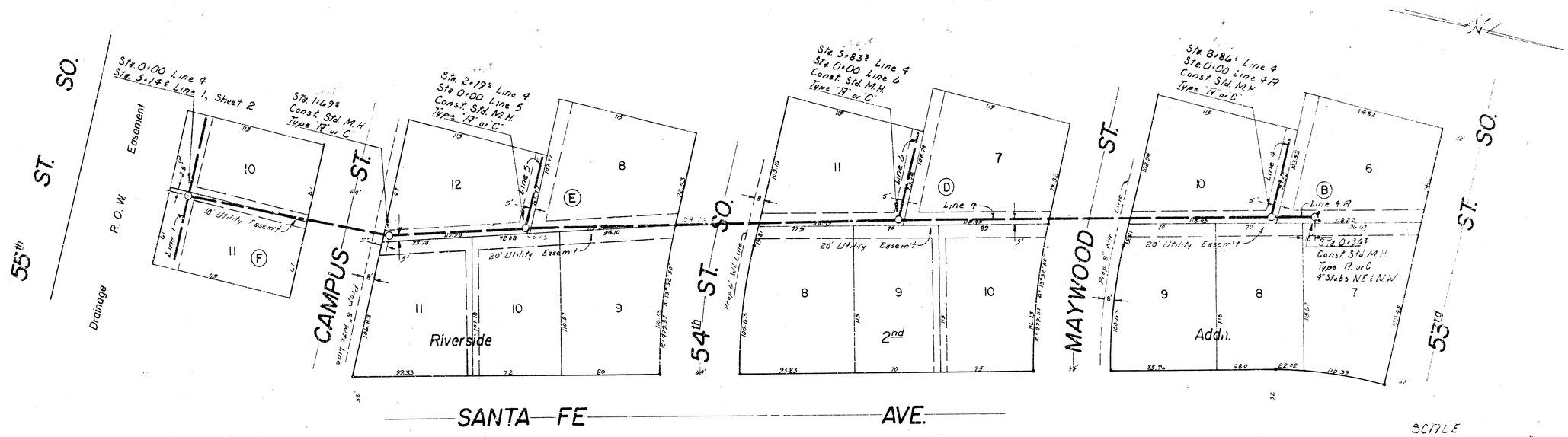




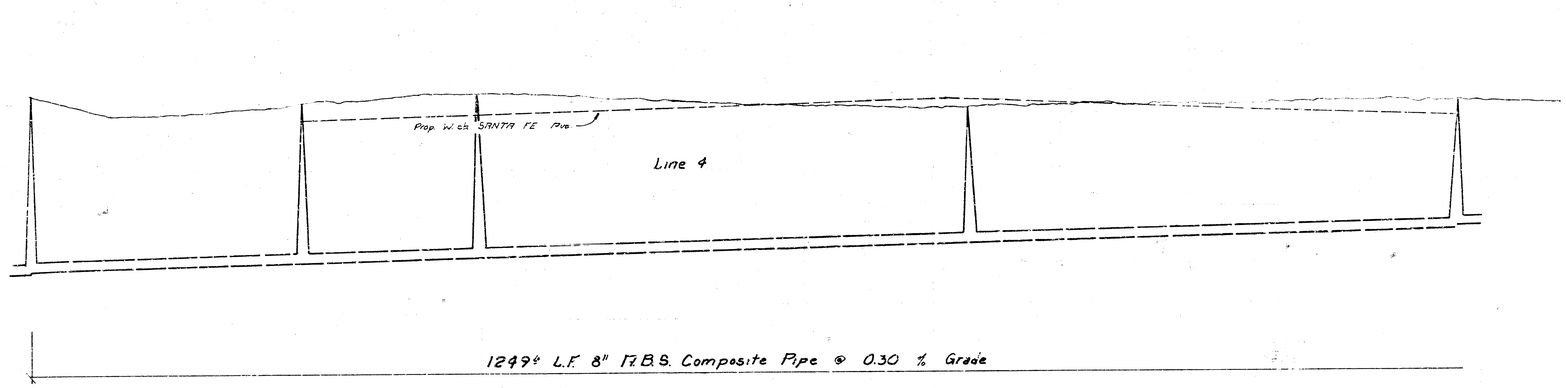
SCALE
PLAN: 1" = 40'
PROFILE
Hor. 1" = 40'
Vert. 1" = 5'

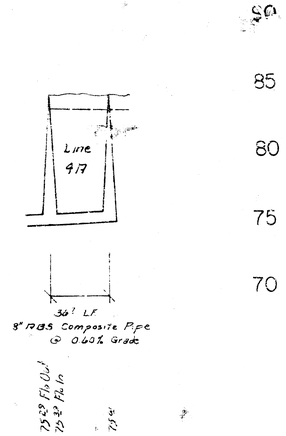
Lat. 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80461-000-000-001

Sheet 5 of 12

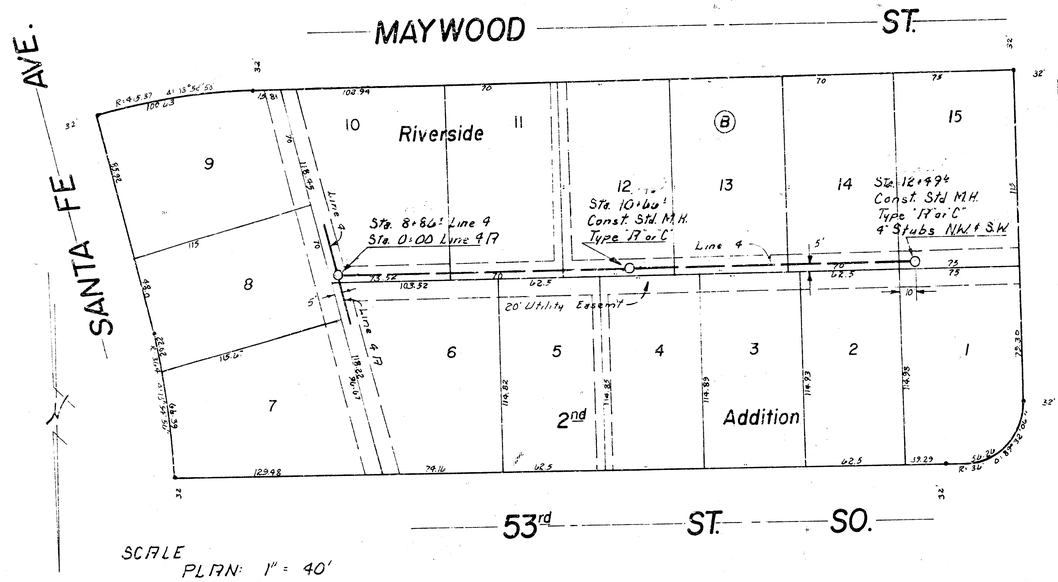


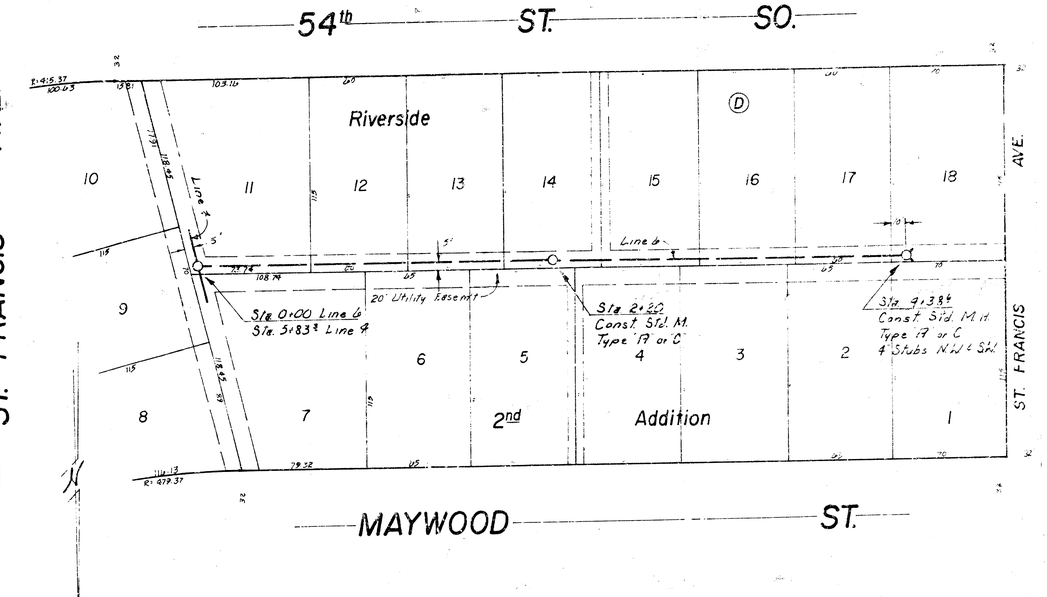
SCALE
PLAN: 1" = 40'
PROFILE
Hor. 1" = 40'
Vert. 1" = 5'

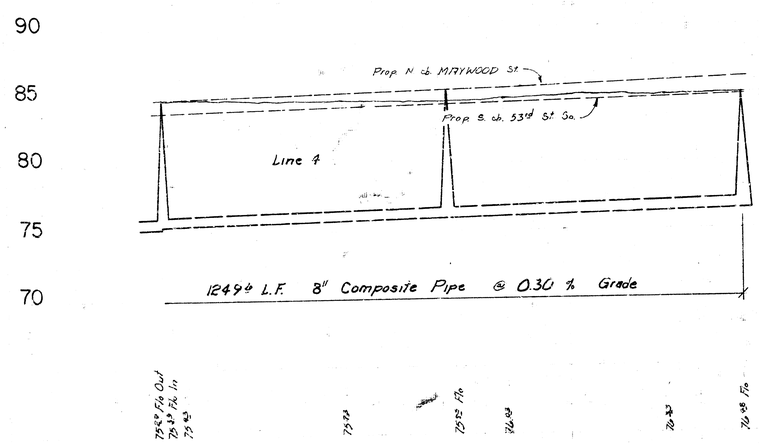


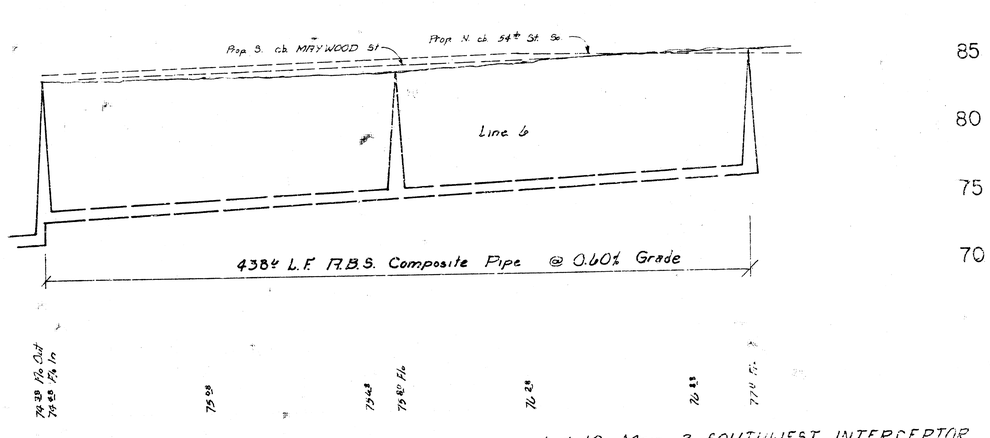


Lat. 12, Main 12 SOUTHWEST INTERCEPTOR
Proj No. 468-76-245-80961-000-000-001









Lot 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-295-80461-000-000-001

SCALE
PLAN: 1" = 40'
PROFILE:
Hor.: 1" = 40'
Vert: 1" = 5'

CAMPUS ST.

SANTA FE AVE.

Riverside

Addition

2nd

54th ST. SO.

ST. FRANCIS AVE.

EMPORIA AVE.

MAYWOOD ST.

Sta. 0+00 Line 5
Sta. 2+79.9 Line 4
Sheet 7

Sta. 3+00
Const. Std. M.H.
Type "A" or "C"

Sta. 5+87.4
Const. Std. M.H.
Type "A" or "C"

Sta. 7+66.4 Line 5
Sta. 0+00 Line 5A
Const. Std. M.H.
Type "A" or "C"

Sta. 10+18.8
Const. Std. M.H.
Type "A" or "C"
4" Stubs S.E. & S.W.

Sta. 0+00 Line 5A
Sta. 7+66.4 Line 5

Sta. 0+00.8
Const. Std. M.H.
Type "A" or "C"
4" Stubs N.E. & N.W.

Sta. 0+00 Line 5
Sta. 2+79.9 Line 4
Sheet 7

Sta. 3+00.0
Const. Std. M.H.
Type "A" or "C"

Sta. 5+87.4
Const. Std. M.H.
Type "A" or "C"

Sta. 7+66.4 Line 5
Sta. 0+00 Line 5A
Const. Std. M.H.
Type "A" or "C"

Sta. 10+18.8
Const. Std. M.H.
Type "A" or "C"
4" Stubs N.E. & N.W.

Sta. 0+00 Line 5A
Sta. 7+66.4 Line 5

Sta. 0+00.8
Const. Std. M.H.
Type "A" or "C"
4" Stubs N.E. & N.W.

Set top of M.H. 85.89

Set top of M.H. 85.53

Prop. N. ch. CAMPUS St.

Prop. S. ch. 54th St. So.

Prop. E. ch. EMPORIA Ave.

Prop. W. ch. ST. FRANCIS Ave.

Line 5

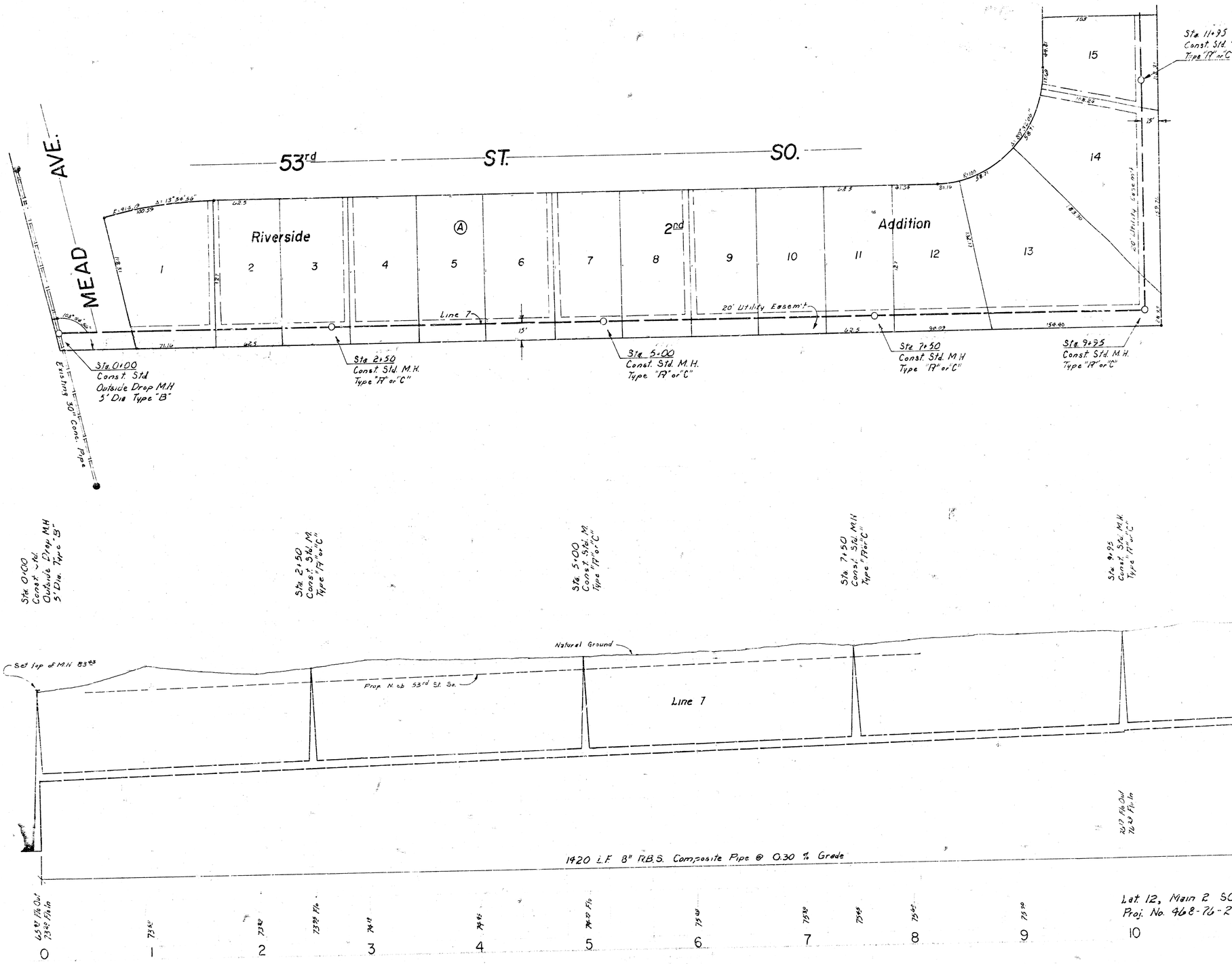
Line 5A

1018.8 L.F. 8" R.B.S. Composite Pipe @ 0.30 % Grade

678 L.F. 8" Composite Pipe @ 0.60 % Grade

Lat. 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80961-000-000-001

Sheet 1 of 12

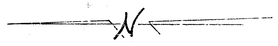


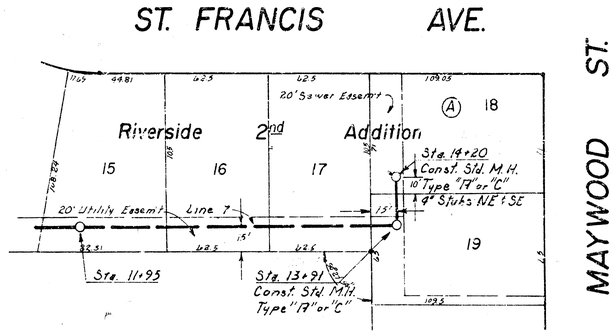
SCALE
PLAN: 1" = 40'
PROFILE:
Hor.: 1" = 40'
Vert: 1" = 5'

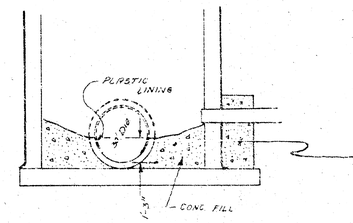
Lot 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80461-000-000-001

Sheet of 12

SCALE
PLAN: 1" = 40'
PROFILE:
Hor: 1" = 40'
Vert: 1" = 5'



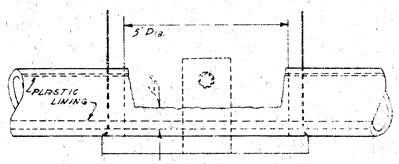




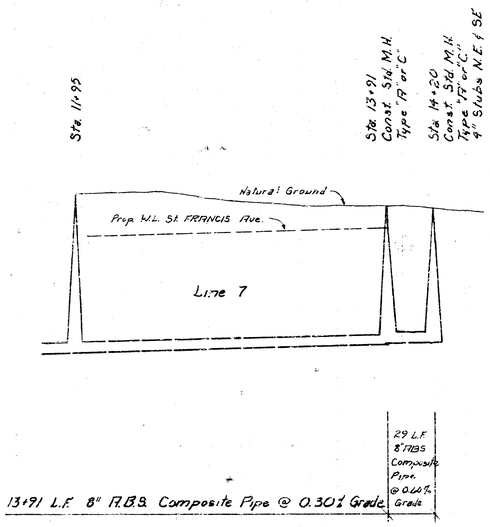
SECTION
Sta. 0+00
Std. M.H. Type "B" 5' Dia.

Note:
All exposed conc. pipe surface shall be protected with Plastic lining approved by the Field Engineer.
Method of applying top 1/2 of 30" RCP is to be approved by the Field Engineer.

Concrete or brick masonry support



Note:
Outside of brick manhole at drop shall be given Two coats of Bituminastic Super Service Black as manufactured by Koppers Chemicals and Coatings or an approved equal. Application shall be according to manufacturers recommendations.
Wyo-Bond Bentonite as manufactured by Archer Daniels Midland Co. or an approved equal shall be mixed with the backfill material lying below water table elevation at ten manhole location at Sta. 0+00. Approximately 90 pounds of Bentonite is to be uniformly mixed with the backfill material.



Let. 12, Main 2 SOUTHWEST INTERCEPTOR
Proj. No. 468-76-245-80461-000-000-001

Sheet 1 of 12