Revised 3-17-78

SANITARY SEWER NO. 12

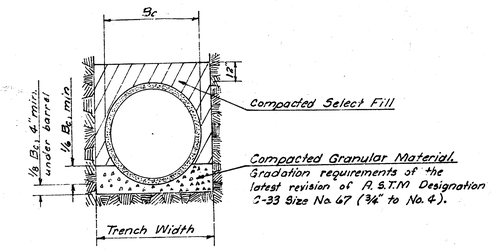
ALTER, REPAIR OR RECONSTRUCT A PORTION OF S.S. NO. 12 LYING IN GROVE STREET BETWEEN LEWIS AND SECOND

OLD PROJ. NO. DBKJ 573023
PART "A"

CITY OF WICHITA, KANSAS

NEW PROJ. NO. 468-80-990-80116-000-000-001

CONTRACTOR NOTE: RIGHT-OF-WAY MUST BE ACQUIRED ON PART A BETWEEN LEWIS AND SECOND BEFORE CONSTRUCTION CAN BEGIN. THE CITY OF WICHITA ANTICIPATES THAT ALL OF THE RIGHT-OF-WAY NECESSARY TO FACILITATE RECONSTRUCTION OF THE SEWER DESIGNATED AS PART A OF THIS PROJECT BETWEEN LEWIS STREET AND SECOND STREET WILL BE ACQUIRED BY MARCH IN 1979. CONTRACTORS BIDDING THIS PROJECT SHOULD ANTICIPATE THAT CONSTRUCTION ON PART A BETWEEN LEWIS STREET AND SECOND STREET WILL NOT BEGIN UNTIL SOMETIME IN MARCH OF 1979.



TYPICAL BEDDING
No Scale

PLANS PREPARED BY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. BRUGGEMAN, DIRECTOR OF PUBLIC WORKS
R. W. LINN, CITY ENGINEER

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. CONTRACTOR'S PROPOSED METHOD FOR MAINTAINING SEWAGE FLOW SHALL BE APPROVED BY THE ENGINEER. CONTRACTOR MAY CONSTRUCT ADDITIONAL MANHOLES TO FACILITATE MAINTAINING SEWAGE FLOW. TYPE AND LOCATION OF EXTRA MANHOLES TO FACILITATE HANDLING OF SEWAGE SHALL BE AS APPROVED BY THE ENGINEER. COST OF MAINTAINING FLOW OF SEWAGE THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK. NO PAYMENT WILL BE MADE FOR EXTRA MANHOLES CONSTRUCTED BY THE CONTRACTOR TO FACILITATE HANDLING SEWAGE THROUGH CONSTRUCTION AS THIS COST SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER ITEMS OF WORK.

2. CONTRACTOR SHALL EXCAVATE ALL BUILDING SEWERS WHICH ARE TO BE RECONNECTED TO THE NEW SEWER IN ADVANCE OF COMPLETION OF ANY OF THE WORK SHOWN ON THE PLANS REQUIRED TO RECONNECT THE BUILDING SEWER TO THE NEW SEWER. THE ENGINEER SHALL ADJUST LOCATION AND FLOW ELEVATIONS OF 8" LINES WHERE NECESSARY TO FACILITATE RECONNECTION OF BUILDING SEWERS. THE 8" LINES SHALL BE RAISED OR LOWERED TO SUCH ELEVATIONS WHICH WILL PERMIT RECONSTRUCTION OR RECONNECTION OF ALL ACTIVE BUILDING SEWERS TO BE CONNECTED TO EACH INDIVIDUAL REACH OF 8" SEWER, EXCEPT THAT A MINIMUM COVER OF 4' SHALL BE MAINTAINED OVER ALL 8" SEWERS. NO ADJUSTMENT IN BID PRICE WILL BE MADE FOR RAISING OR LOWERING THE 8" SEWERS WITHIN THE LIMITS PERMITTED BY FLOW ELEVATIONS OF THE NEW 48" SEWER AND THE SPECIFIED MINIMUM COVER. NONE OF THE ABOVE WORK WILL BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.

3. LOCATIONS OF BUILDING SEWERS TO BE RECONNECTED TO NEW CONSTRUCTION ARE INDICATED ON THE PLANS AS DETERMINED BY THE TELEVISION INSPECTION OF THE EXISTING SEWER. COPIES OF THE TELEVISION LOG ARE AVAILABLE AND MAY BE OBTAINED IN THE OFFICE OF THE CITY ENGINEER. ALL BUILDING SEWERS SHOWN ON THE PLANS OR CALLED OUT IN THE TELEVISION INSPECTION LOG MAY NOT BE ACTIVE. CONTRACTOR WILL BE REQUIRED TO DETERMINE WHICH CONNECTIONS TO THE EXISTING SEWER ARE ACTIVE AND WHICH CONNECTIONS ARE INACTIVE. INACTIVE BUILDING SEWERS SHALL NOT BE RECONNECTED. CONTRACTOR WILL BE REQUIRED TO TAKE ACTION AS NECESSARY TO ASSURE THAT ANY BUILDING WHICH IS CONNECTED TO THE SEWER TO BE ABANDONED IS RECONNECTED TO THE NEW SEWER. CONNECTION OF BUILDING SEWERS TO THE NEW SEWER SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN THE CODE OF THE CITY OF WICHITA, KANSAS. CONTRACTOR WILL BE REQUIRED TO OBTAIN A PERMIT FOR EACH BUILDING SEWER CONNECTION FROM PUBLIC WORKS ADMINISTRATION, 7TH FLOOR, CITY HALL. PERMIT FEE FOR SEWER CONNECTION WILL BE WAIVED. TAPS INTO NEW LINES WILL BE MADE BY CITY OF WICHITA, MAINTENANCE DEPARTMENT, WHEN NECESSARY. CONTRACTOR SHALL COORDINATE TAPS ON NEW LINES WITH THE MAINTENANCE DEPARTMENT. CONTRACTOR WILL BE REQUIRED TO PAY A TAPPING FEE OF $15.00 FOR EACH TAP NECESSARY TO RECONNECT BUILDING SEWERS.

4. THE EXISTING 39" AND 36" SEWER WHICH IS TO BE ABANDONED AS A RESULT OF THIS PROJECT SHALL BE COMPLETELY FILLED WITH SAND. CONTRACTOR'S PROPOSED METHOD FOR FILLING THE EXISTING 39" AND 36" SEWER WITH SAND SHALL BE APPROVED BY THE ENGINEER. FILLING THE ABANDONED 39" AND 36" SEWER WITH SAND WILL BE PAID FOR AT THE PRICE BID PER LINEAL FOOT OF SEWER SAND FILLED FOR THE SIZES INDICATED AND THIS PRICE SHALL COVER ALL COSTS FOR COMPLETION OF THIS ITEM.

5. CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE SUCH THAT WILL CAUSE THE LEAST AMOUNT OF INTERFERENCE POSSIBLE WITH TRAFFIC ON GROVE STREET. ONE LANE OF WESTBOUND TRAFFIC AND ONE LANE OF EASTBOUND TRAFFIC SHALL BE CARRIED THROUGH CONSTRUCTION ON DOUGLAS AVENUE AT ALL TIMES. NO MORE THAN TWO CONSECUTIVE EAST-WEST STREETS WILL BE PERMITTED TO BE CLOSED AT THE SAME TIME. CONTRACTOR WILL BE REQUIRED TO MAINTAIN SUITABLE PEDESTRIAN CROSSWALKS AT ALL INTERSECTIONS FOR THE DURATION OF THE CONSTRUCTION. WORK ADJACENT TO EAST HIGH SCHOOL SHALL BE SCHEDULED SUCH THAT IT WILL HAVE THE LEAST AMOUNT OF DETRIMENTAL EFFECT ON ACTIVITIES AT THE HIGH SCHOOL.

6. STRUCTURAL TEE MANHOLES MAY BE CONSTRUCTED INSTEAD OF POURED IN PLACE CONCRETE MANHOLES WHERE INDICATED BY THE PLANS. WALL THICKNESS, REINFORCING STEEL AND STRENGTH OF STRUCTURAL TEE MANHOLES SHALL BE COMPATIBLE WITH THE PIPE CLASS AT THE LOCATION OF THE MANHOLE. SHOP DRAWINGS OF STRUCTURAL TEE MANHOLES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE FABRICATION OF THE MANHOLES. STRUCTURAL TEE MANHOLES SHALL BE PLASTIC LINED. CLAY PIPE BELLS SHALL BE INSTALLED IN THE STRUCTURAL TEE MANHOLES AS NECESSARY TO FACILITATE CONNECTION OF SEWERS AS INDICATED BY THE PLANS.

7. ALL REINFORCED CONCRETE PIPE BETWEEN STATION 0 + 62.35 AND STATION 24 + 77 SHALL BE CLASS III PIPE. ALL REINFORCED CONCRETE PIPE BETWEEN STATION 24 + 77 AND STATION 33 + 54.2 SHALL BE CLASS IV PIPE. THE TOP 360° SEGMENT OF THE 48" AND 42" R.C.P. SHALL BE LINED WITH PLASTIC AS SPECIFIED BY THE SPECIFICATIONS.

8. ALL BUILDINGS AND IMPROVEMENTS LOCATED IN THE PROPOSED RIGHT-OF-WAY FOR THIS PROJECT EAST OF THE WALK ALONG THE EAST SIDE OF EXISTING GROVE STREET SHALL BE CLEARED AND REMOVED BY OTHERS. CONTRACTOR WILL BE PERMITTED TO REMOVE ONLY THOSE TREES, HEDGES AND SHRUBS WHICH ARE ESSENTIAL TO FACILITATE CONSTRUCTION OF THE SEWER. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL PRIOR TO REMOVING ANY TREES, HEDGES OR SHRUBS. TREES, HEDGES AND SHRUBS WHICH ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE. THIS WORK WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR CLEARING RIGHT-OF-WAY.

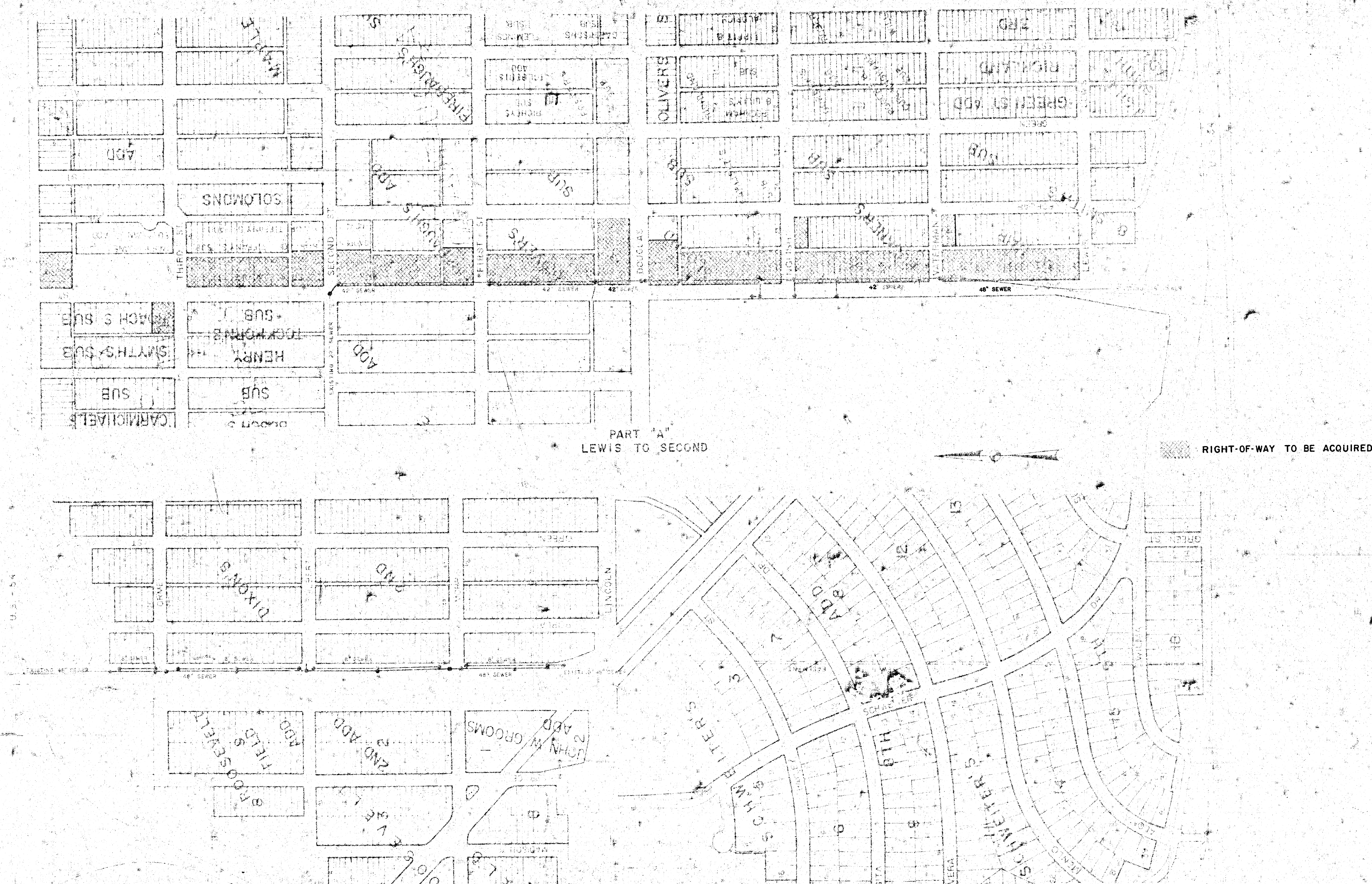
9. SIX INCH TEMPORARY ASPHALT PAVEMENT SHALL CONSIST OF FOUR INCH BITUMINOUS BASE AND TWO INCH SURFACE COURSE. EIGHT INCH TEMPORARY ASPHALT PAVEMENT SHALL CONSIST OF SIX INCH BITUMINOUS BASE AND TWO INCH SURFACE COURSE.

10. LUMP SUM PRICE BID FOR SPECIAL CONCRETE STRUCTURES SHALL INCLUDE MANHOLES ON BOTH ENDS OF STRUCTURES.

11. ALL GRASSED AREAS DISTURBED WITHIN THE LIMITS OF THE STREET RIGHT-OF-WAY OF EXISTING GROVE SHALL BE SEEDED.

As Built
4/2/80

LOCATION MAP



PART "B"
LINCOLN TO LEWIS

SH. NO. 1A OF 10

SANITARY SEWER NO. 12

ALTER, REPAIR OR RECONSTRUCT A PORTION OF S.S. NO. 12
LYING IN GROVE STREET BETWEEN LEWIS AND SECOND
PROJ. NO. 468-80-990-80116-000-000-001

2|3

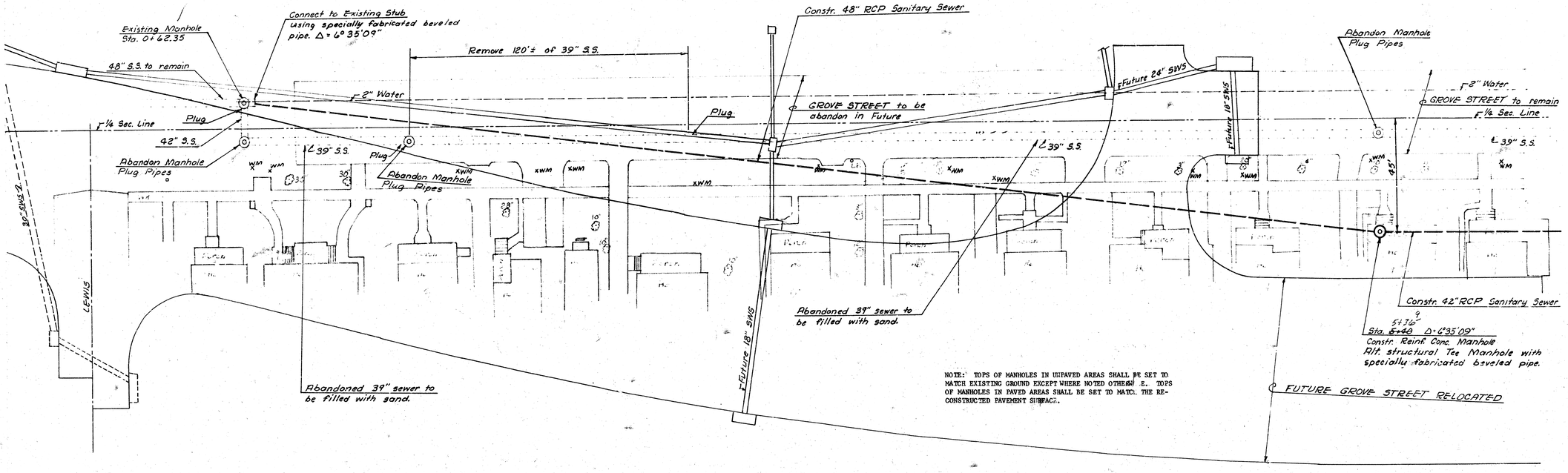
FILMED FROM THE BEST AVAILABLE COPY........

B.M. 109.27 R.R. Spike E. Side Large Tree W. Side of Grove approx. 75' N of NL Lewis

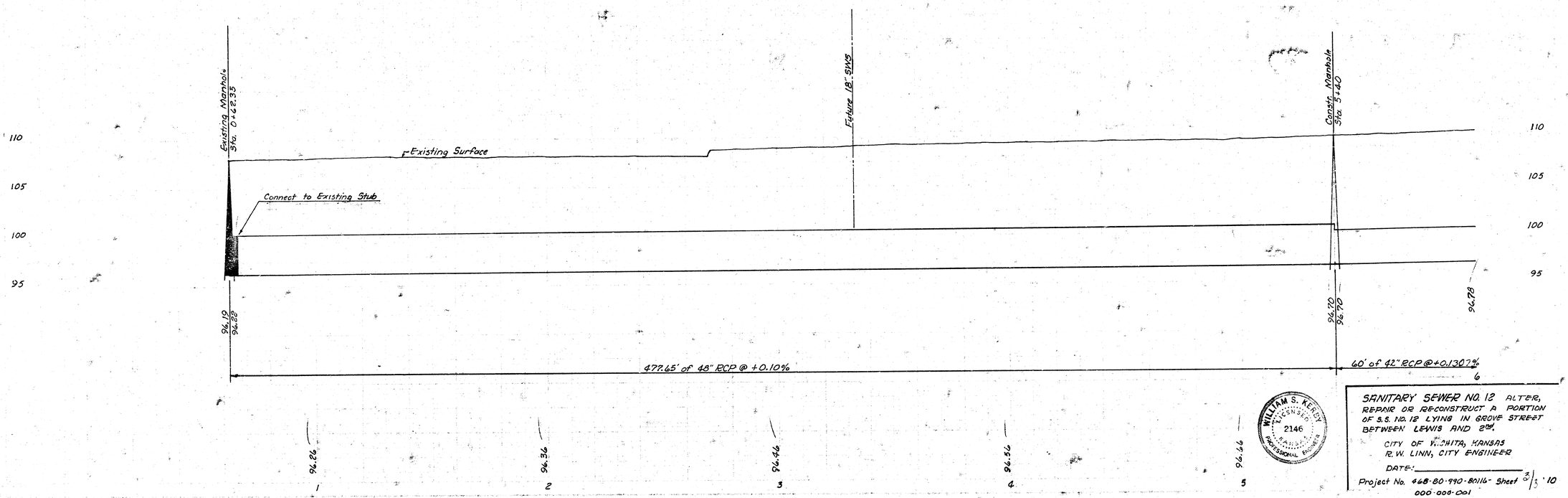
NOTE: Sta. 0+42.35 to 2+72.35 Remove pavement as necessary for new construction and replace with temporary 6" rein. pavement.

SCALE: Hor. 1"=20'
Ver. 1"=5'

See Sheet #1 for GENERAL NOTES



NOTE: TOPS OF MANHOLES IN UNPAVED AREAS SHALL BE SET TO MATCH EXISTING GROUND EXCEPT WHERE NOTED OTHERWISE. I.E. TOPS OF MANHOLES IN PAVED AREAS SHALL BE SET TO MATCH THE RE-CONSTRUCTED PAVEMENT SURFACE.



WILLIAM S. KERBY LICENSED 2146 KANSAS PROFESSIONAL ENGINEER

SANITARY SEWER NO. 12 ALTER, REPAIR OR RECONSTRUCT A PORTION OF S.S. NO. 12 LYING IN GROVE STREET BETWEEN LEWIS AND 2ND.

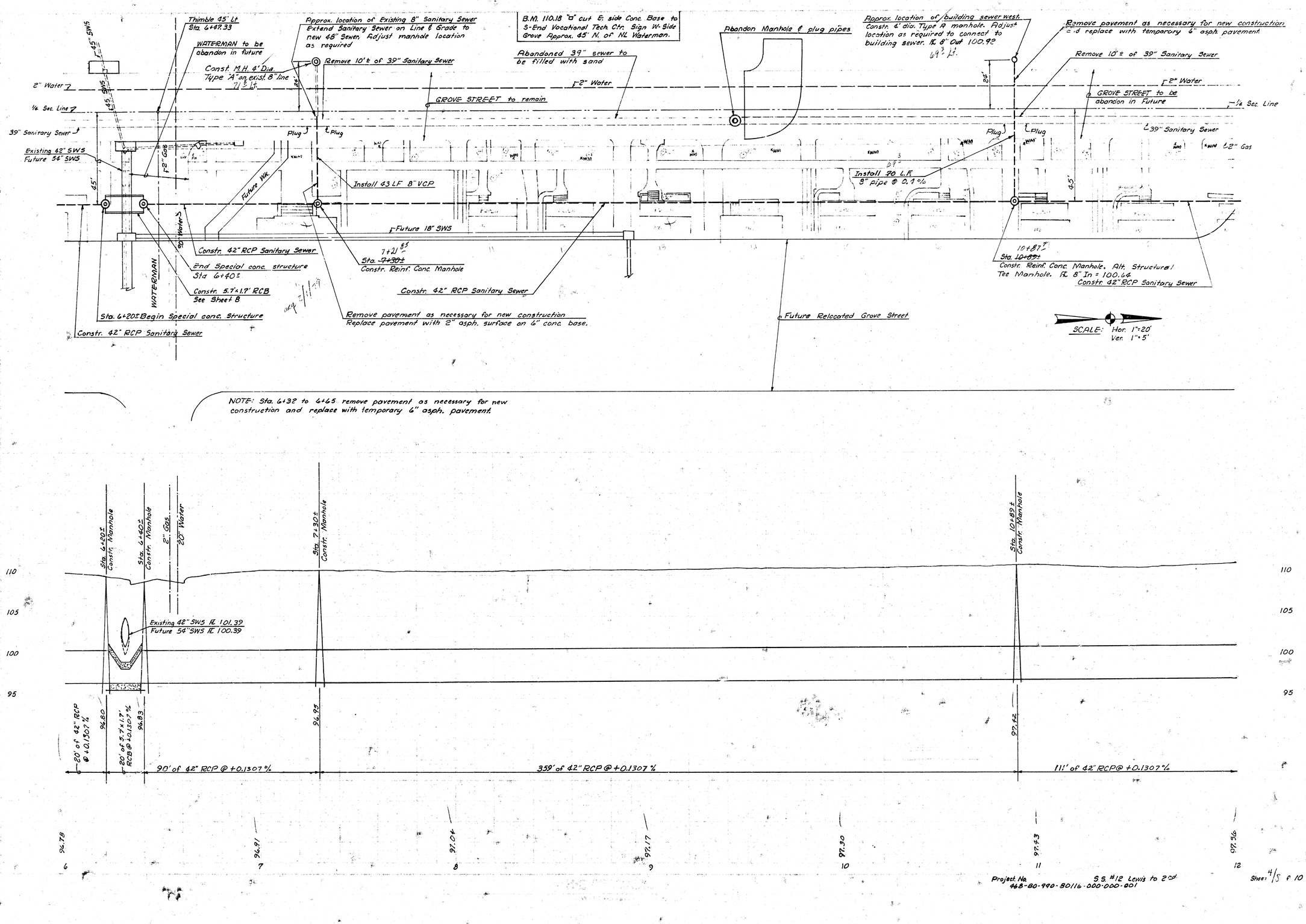
CITY OF WICHITA, KANSAS
R.W. LINN, CITY ENGINEER

DATE:

Project No. 468-80-990-80116- 000-000-001

Sheet 3/3 '10

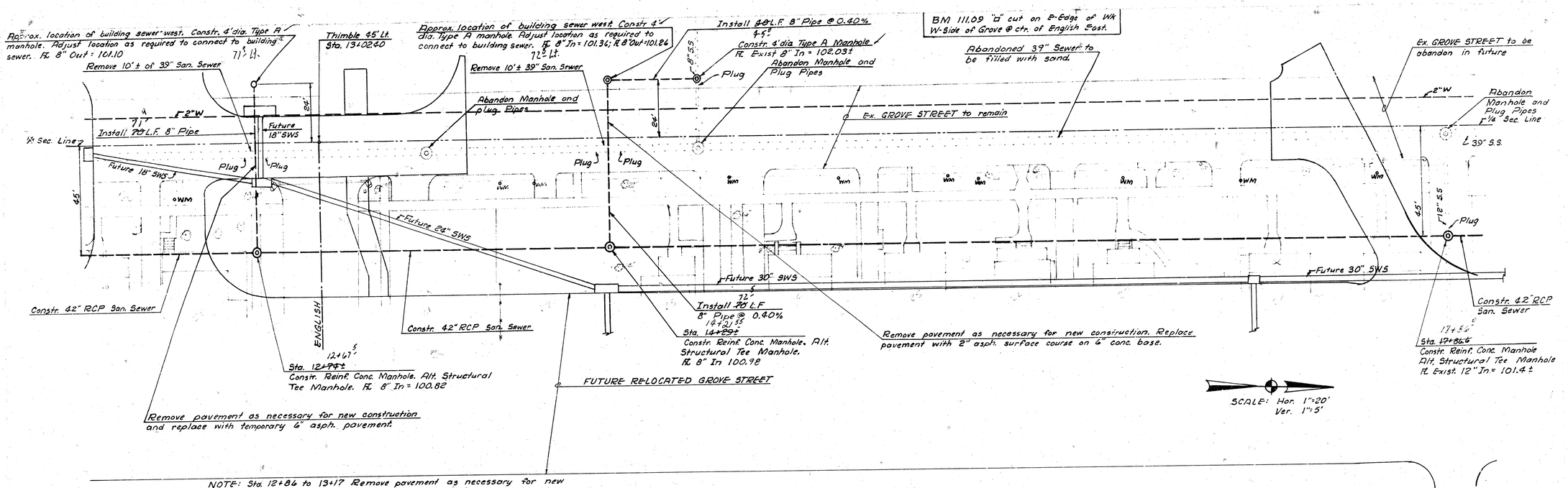
JFG: 838 X 24"



Project No. 468-80-990-80116-000-000-001

SS #12 Lewis to 2nd

Sheet 4/8 of 10



JFG 238
WSK

Project No. 462-80-990-80116-000-000-001

S.S. #12 Lewis to 2nd

Sheet 5/8 - 10

BM 110.97 City "d @ Grove & Douglas

Abandoned 39" Sewer to be fill with sand.

Thimble 45° Lt. Sta. 19+29.33

Thimble 45° Lt. Sta. 20+07.35

Abandon Manholes Plug Pipes

15" S.S.

Plug

Connect to Existing Manhole
Rt. New 15" Out = 101.00
Constr. 15" San. Sewer @ 0.4% min. slope

Remove 10'± of 36" San. Sewer

Abandoned 36" sewer to be fill with sand.

12" Water

GROVE STREET to be abandon in future

6" Water
4" Conc

GROVE STREET to be abandon in future

GROVE STREET to remain

¼ Sec. Line

¼ Sec. Line

39" San Sewer

Plug

Plug

Future 18" SWS

2" Gas

45'

Future Wk

54" SWS

DOUGLAS AVE.

8" Gas

8" Water

Future Wk

Future 18" SWS

45'

Constr. 42" RCP San. Sewer

Plug

Constr. 42" RCP San. Sewer

Future 30" SWS

Future 42" SWS

Future 42" SWS

Future 42" SWS

Constr. 42" RCP San. Sewer

Sta. 19+38± Begin Special conc. Structure

Sta. 19+98± End Special conc. Structure

Constr. 5'x 2.0' RCB See Sheet 8

Remove Inlet & 15"x 10' SWS Plug at 54" SWS

Sta. 21+55 Constr. Reinf. Conc. Manhole Alt. Structural Tee Manhole
Rt Exist. 12" In = 103.44
Rt New 15" In = 100.44
(Raise reinf. conc. top to clear 12" pipe.)

Install 86 L.F. 15" Pipe

SCALE: Hor. 1"=20'
Ver. 1"=5'

FUTURE RELOCATED GROVE STREET

FUTURE RELOCATED GROVE STREET

Remove pavement as necessary for new construction. Replace with temporary 6" asph. pavement.

NOTE: Sta. 19+38 to 19+98 Remove pavement as necessary for new construction. Replace with temporary 8" asph. pavement.

JFB 238 E 247
K 55K

Sta. 19+38± Constr. Manhole

Sta. 19+98± Constr. Manhole

8" Gas

8" Water

Existing Ground

Sta. 21+55 Constr. Manhole

Future 18" SWS

Ex. 54" SWS, flowline 103.04

115
110
105
100
95

98.53

98.55

98.81

20' of 5'x 1.9' RCB @ +0.130%

138' of 42" RCP @ +0.1307%

197' of 42" RCP @ +0.1307%

245' of 42" RCP @ +0.10%

98.35 18

98.48 19

98.41 20

98.74 21

98.86 22

98.56 23

98.66 24

Project No. 488-80-990-80116-000-000-001

S.S. #12, Lewis to 2nd

Sheet 6/8 of 10

BM 114.49 R.R. Spike NE Side P.P. on NW Cor. Grove & 1st Street

Abandoned 36" sewer is to be filled with sand

Abandon Manhole Plug Pipes

Abandon Manhole Plug Pipes

Abandon Manhole Plug Pipes

12" Water

8" Water

6" Water

6" Water

℄ GROVE STREET to remain

℄ GROVE STREET to remain

¼ Sec. Line

¼ Sec. Line

45'

45'

FIRST STREET

Future Walk

Future 42" SWS

Future 36" SWS

Future 18" SWS

Future 36" SWS

Plug

Sta. 24+77±
Constr. Reinf. Conc. Manhole
Alt. Structural Tee Manhole

Sta. 28+36.7
Constr. Reinf. Conc. Manhole
Alt. Structural Tee Manhole
ft. Exist. 8" In = 103.35±

Constr. 42" RCP San. Sewer

Constr. 42" RCP San. Sewer

Constr. 42" RCP San. Sewer

NOTE: Sta. 24+54 to 24+85 Remove pavement as necessary for new construction. Replace with temporary 6" asph. pavement.

48" SWS

℄ FUTURE RELOCATED GROVE STREET

SCALE: Hor. 1"=20'
Ver. 1"=5'

Sta. 24+77±
Constr. Manhole

Set top of M.H. to elev. 115.83

48" RCP SWS
Flowline 107.32

Existing Surface

Sta. 28+36.7
Constr. Manhole

Flowline 8" S.S. = 103.35±

120
115
110
105
100

115
110
105
100

99.14

99.50

77' of 42" RCP @ +0.10%

359.7' of 42" RCP @ +0.10%

163.3' of 42" RCP @ +0.10%

99.06 99.16 99.26 99.36 99.46 99.56 99.66

24 25 26 27 28 29 30

Project No. 468-80-990-80116-000-000-001

S.S. #12 Lewis to 2nd

Sheet 7/8 '10

BM 117.46 'a' cut top ch. ctr. NW Radius @ Grove & 2nd (State Hi-way BM)

BM 117.59 R.R. Spike E-side P.P. on NW Cor. Grove & 2nd St.

Existing 36" sewer to be abandoned and filled with sand.

6" Water
4" Gas
1/4 Sec. Line
℄ GROVE STREET to remain
45'
Future 36" SWS
Constr. 42" RCP San. Sewer
FUTURE RELOCATED GROVE STREET

32+79 ℄
Sta. ~~32+96.5~~; Δ=45°
Constr. Reinf. Conc. Manhole with 36" Clay Pipe stub N.
See detail sheet "B"
Flo 36" IN = 100.36

SCALE: Hor. 1"=20'
Ver. 1"=5'

4" Gas
8" Water
Tele. Cable
2nd STREET
Plug
27" San. Sewer
30" SWS
4" Gas

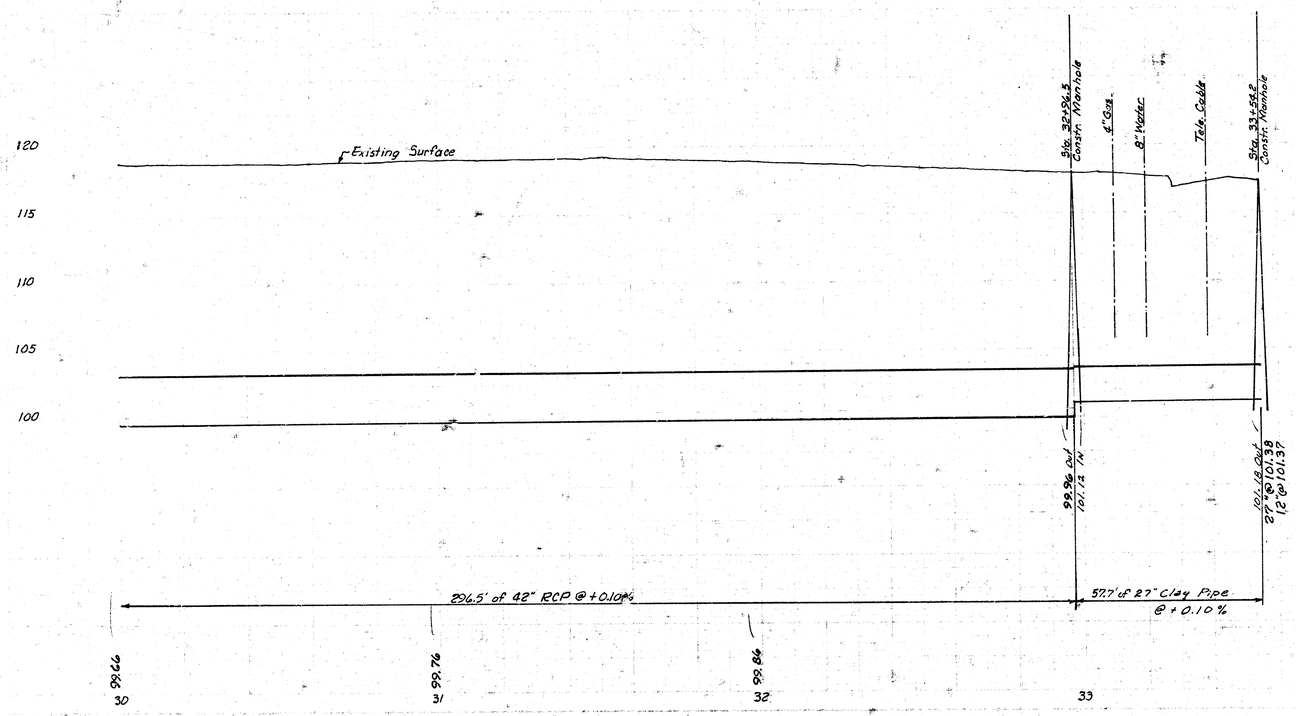
33+86 3
Sta. ~~33+54.2~~
Remove Existing Manhole
Constr. Reinf. Conc. Manhole

6" Water
1/4 Sec. Line
12" San. Sewer
Tele. Cable
3" Gas
15" SWS
Constr. 27" Clay Pipe San. Sewer
Future Wall
Future Inlet
Future 36" SWS
Future 30" SWS
Bell Manhole
30" SWS

NOTE: Sta. 33+24 to 33+54.2 Remove pavement as necessary for new construction. Replace pavement with temporary 8" asph. pavement.

2nd STREET

JFG-247
1954



Project No. 968-80-990-80116-000-000-001
S.S. #12 Lewis to 2nd
Sheet 8/8 of 10